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DETROIT

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WALLACES' FARMER AND Iowa Homestead

Good Farming *Clear Thinking* *Right Living*

Fingers by the hundreds are chewed off by Iowa corn pickers every year. Cliff Handsaker, Story county, lost his in 1937. Luckily, the picker jammed, didn't get the whole hand.

You Can learn to get along pretty well without hands if you have to, says Jesse Stier, Marshall county. But don't try it if you can help it. Stier tangled with a corn picker last December.

They'll Tell You It Pays To

Be Alert--Don't Get Hurt!

Husking rolls grabbed a finger last year when Tom Arneson, of Polk county, was on his last load. He misses it.

THE men on this page are friends of yours. Along with the rest of us, they are praying you'll finish the corn-picking season in one piece.

That's why they let us take these pictures. They agreed it might help show what can happen if you're not careful.

But listen: Prayers and pictures alone won't do the job. Suppose you just look at this page and say, "Sure, but it can't happen to me." That's not enough.

The nearly 500 men who lost fingers, hands, arms, legs—yes, and lives—last fall knew it couldn't happen to them, either. But they forgot to:

- Stop the picker before getting off the tractor seat.
- Keep the power take-off shield in place.
- Wear close-fitting clothing.

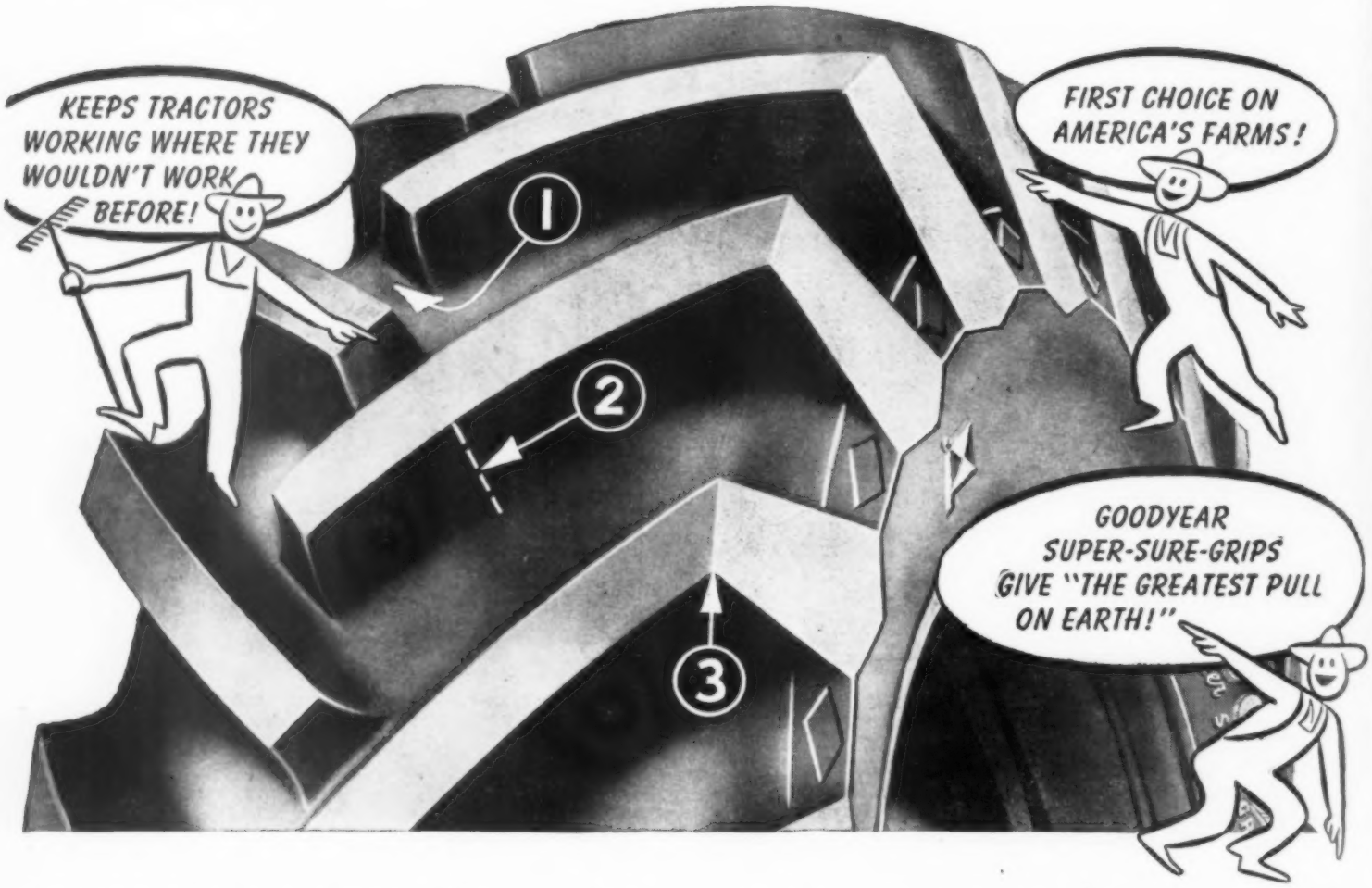
It takes longer to be careful. But how many hours is a finger worth?

First Day of 1948 picking finished arm of Harold Ward, of Polk county. Eye was injured while hunting this fall.

OCTOBER 15, 1949

IOWA'S LEADING FARM NEWSPAPER

Sweeping PREFERENCE for this GOODYEAR O-P-E-N C-E-N-T-E-R tire!



You can't fool the American farmer. He knows from his everyday experience which tractor tires give him more traction, smoother riding, longer wear.

No wonder, then, that in a recent nation-wide farm survey, farmers picked Goodyear SUPER-SURE-GRIPS as their first choice among *all* tractor tires—with a vote almost equal to that of the next two makes combined! And that big margin is rapidly getting bigger!

The fact is, more and more farmers have learned that Goodyear tells the truth about this amazing tire's traction—that it pulls where other tires won't—that it has no equal for day-in-day-out farm work.

And the reason for this *proved* superiority is found in the Goodyear o-p-e-n c-e-n-t-e-r tread design. There's lots more rubber in the lugs—which means lots more rubber *in the ground.* More important, these huge, *high-shoulder* o-p-e-n c-e-n-t-e-r lugs are in perfect balance, each one equally sized and spaced. So they dig in like a deep-toothed gear wheel, giving super-long wear and "the greatest pull on earth!"

Remember *that* when getting new tractor tires. And remember, too, that Goodyear SUPER-SURE-GRIPS—the tractor tires that pull where others won't, that ride smoother and last longer—*don't cost you a penny more.*

1. OPEN CENTER GIVES BITE EDGE—*so each lug digs in full depth, full length, and grips.*

2. DEEPER BITE FROM HIGHER LUGS—*extra rubber in higher, broader lugs means more rubber in ground for greater grip, far longer wear at no extra cost.*

3. WIDE-TREAD TRACTION—MORE PULL—*Massive, square-shoulder lugs extend traction area full width of tire.*

AND: BALANCED DESIGN—EVEN PULL, SLOW WEAR—*Four even-spaced, same-sized lugs always gear-meshed in ground, so tire pulls evenly, rides smoother, wears longer.*

We think you'll like "THE GREATEST STORY EVER TOLD"—Every Sunday—ABC Network

GOODYEAR

Super-Sure-Grip Tractor Tires

Super-Sure-Grip—T.M. The Goodyear Tire & Rubber Company

"WE'VE CUT OUR SUPPLEMENT BILL IN HALF

by buying *only* the proteins, minerals and vitamins we cannot raise,"

says Charles E. Franks, Rock County, Wis.

Mr. Franks shown with one of his top producers, Vivians Brownie 76125 who thus far, on a 289-day R.O.P. test, produced 13,845 pounds of milk, and 531.5 pounds of butterfat.

"Buy Only the Ingredients you need to Balance Your Home-Grown Feed," advises outstanding herdsman

IN less than two years, Charlie Franks has set a brilliant record with the famous F. W. Plankey herd of Brown Swiss cattle in Rock County, Wis. He increased the herd average from 286.3 to 537.8—and their average test from 3.5 to 3.9.

He has a mighty good herd to work with. But, he gives 2 reasons for his success:

1. The right kind of care, and
2. the right kind of feed.

"We have some mighty good silage from corn and Atlas Sargo, and we feed our own ground corn and oats. Then too, our alfalfa hay is extra clean and bright, and we keep the cows on good pasture. But, we've found that even this good feed needs extra proteins, minerals, and vitamins to bring out its full feeding value.

"That's why we buy MoorMan's Cow Mintrate. And, because Cow Mintrate contains no 'filler,' no ingredients that we don't need, I figure that we've actually cut our supplement bills in half."

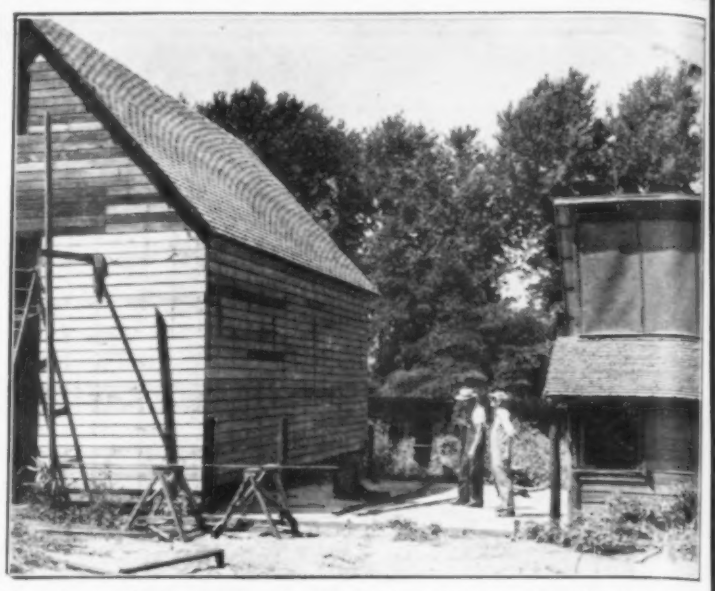
Like Charlie Franks, thousands of other dairymen report low feed costs, yet splendid production records with MoorMan's Cow Mintrate. This is because Cow Mintrate contains a blend of six proteins PLUS Urea, MoorMan's EXCLUSIVE Top-Kream Minerals (13 balanced mineral ingredients, including all the *trace* minerals dairy cows need) and Vitamins G (riboflavin) and D. Ask your MoorMan Man how *you* can supplement *your* home-grown feed with only the *extra* ingredients you need, or write Moorman Mfg. Co., Dept. S-10, Quincy, Ill.

FOR GOOD RESULTS WE FEED MoorMan's MINERALS AND PROTEIN CONCENTRATES

MoorMan's

(Since 1885)

MAKERS OF PROTEIN AND MINERAL CONCENTRATES FARMERS NEED, BUT CANNOT RAISE OR PROCESS ON THE FARM



Feeding Floor made of cement fits in between the hog house and the new corn crib on farm of A. J. McMartin in Grundy county, Iowa. "It saves me a lot of work," says McMartin.

INSIDE STUFF

"IT TOOK A MONTH longer than usual to feed out spring pigs this year," U. G. Hubbard, Davis county, Iowa, told me: "No skim-milk."

▲ ▲

HUBBARD still got his pigs to market earlier than many folks. But he's right about skim-milk helping a lot.

▲ ▲

FARMERS WITHOUT skim-milk, fortunately, can now get its equivalent in many forms. But in some way, B-12 and the other values that skim-milk supplies must get to the hogs.

▲ ▲

EVERY TIME I get out on the highway, I wonder we don't have more accidents. For one thing, too many farmers start out of their driveways without looking around.

▲ ▲

WHAT CHANGE will Russia's atomic bomb make in U. S. foreign policy? One theory is that the administration figured it had time to organize a defense force in western Europe and increase our stockpile of bombs before Russia got started.

▲ ▲

THAT MEANT building up a barrier to Russian expansion and keeping the cold war going strong. Now that Russia has the atomic bomb to trade with, policy may change.

▲ ▲

THE U. S. CAN GO either of two ways: Try for peaceful agreement with Russia, or go all-out to build up army and air force in an arms race.

▲ ▲

THERE'S MORE grass, hay and feed than there is livestock in some southern Iowa counties that often run short on feed.

"HIGH PRICES made some farmers sell off too much stock," said one man I talked with. "No," said his neighbor, "we've almost as much stock as usual. But we've lots more grass and hay."

▲ ▲

ARE WE RUNNING into a protein shortage? One of my friends from northern Iowa is sure of it.

▲ ▲

"WE PUSH PIGS along fast," he said. "That takes more protein. We raise better-laying pullets, start them earlier, make them shell out more eggs. That takes more protein.

▲ ▲

"ALL OF OUR NEW feeding practices demand more protein. Where do we get it?" he finished.

▲ ▲

THIS FARMER suggests using more legume pasture and legume hay. But he is also sure that more synthetic urea — manufactured out of the nitrogen in the air—should be used for cattle.

▲ ▲

AS MORE CORN shakes off and lies on the ground before picking time, more farmers will think about husking early and drying the corn artificially.

▲ ▲

ONE FARMER tells me that he figures we'll all be drying and shelling early after a while. If that happens, corn bins will replace corn cribs as farm storage.

▲ ▲

I'M GLAD TO SEE the Iowa Farm Bureau bearing down hard in its campaign against undulant fever. Howard Hill, Farm Bureau president, and I have some personal feelings on the subject. We've both had the disease.

DONALD R. MURPHY.

WALLACES' FARMER AND IOWA HOMESTEAD

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Early picking is one way farmers are trying to keep corn off the ground. John Grasser, of Sac county, Iowa, got started on September 27.

Got Corn On Ground?

Borers Have Dropped A Lot Of Ears This Fall

By M. C. GREGORY

MAYBE corn borers are like women. Maybe it makes 'em mad to be ignored.

If that's so, the pesky worms ought to be tickled pink this fall. True, they had reason to be angry last spring and summer. Iowa farmers did a pretty fair job of ignoring the borer problem.

But nobody's ignoring the borers now. Too many ears have dropped off too many weakened shanks for that.

It's no news by this time that there is a whale of a lot of corn on the ground. Farmers themselves guess as high as 10 bushels an acre. One Hamilton county, Iowa, man counted 25 dropped ears in 40 hills. Gurney Blue, also in Hamilton, counted 140 ears between two 80-rod rows.

Iowa State College entomologists have made spot surveys, estimate that borers have cut total yields by at least 100 million bushels. The first brood hurt most—short ears, chaffy corn, poor filling. Then the second brood caused those dropped ears.

Whatever the figure, this year's widespread borer damage brings corn growers face-to-face with at least two major problems:

What to do about all that corn on the ground.

What to do next about fighting the borers.

There's a third angle, too—always present, but even more important this year. The more borer damage, the tougher the picking. And the harder the picking, the higher will go the score of lost fingers, lost arms, lost lives.

Let's take the dropped-ear problem first. Obviously, the longer your corn stands, the more ears will be on the ground. So the pressure has been on for early picking.

Fortunately, corn has been drying fast. Some farmers, with good cribs, felt safe in starting the pickers before September was over. In Sac county, Iowa, John Grasser was going full blast September 27. "Lots of corn on the ground," he said, "and there'll be more if I wait."

But some men haven't wanted to start cribbing until corn is down to 20 per cent moisture. Others still are building cribs or bins, or waiting for new CCC storage to be finished so they can deliver loan or purchase agreement corn. The longer they wait to pick the new crop, the more will be on the ground.

Farmers with a heavy livestock program are in best shape, of course. Men like Keith Combes, Sac county, Iowa, are not worried. Combes has a hog-tight farm, 400 late April and May pigs. Norman Juhl, Webster county, Iowa, is in about the same shape. They figure their hogs won't let much corn go to waste.

Others, such as Don and Fred Doolittle, of Hamilton county, Iowa, have cattle waiting for the picker to finish. And a lot more will be in the cattle market this month, looking for four-footed vacuum cleaners.

But there also are many farmers without woven wire or a desire to buy cattle. Their backs are aching at the very notion, but some of them are thinking about picking up some corn.

Roy Olson, Sac county, Iowa, isn't one of them—he'll get his with hogs and cattle. But he thinks it might be worth while for grain farmers to pick up the fallen ears. "It'll be tough, especially without horses," says Roy. "But with as much as 10 bushels per acre on the ground, a man might be able to get 30 to 40 bushels a day. That's good wages."

The idea sounds all right—especially to folks who can hire help. Or to those with limber-backed youngsters. But, horrible as the thought may be, many corn growers will talk themselves into tackling the job themselves. Some will get a lot of encouragement from crop-share landlords.

But nobody will like the job. 'Most everyone, whether his back aches or not, is asking this question: What can I do to avoid this kind of damage in the future?

First step is to get ready for as much clean plowing as possible. Working down fields with stalk cutters and disks this fall will help. So will getting stalks turned under now or next spring.

Then, come spring, you can pay a little more attention to control recommendations than many farmers did this year. Watch what college men say (see box on this page.) And talk to neighbors who killed borers this year.

What about being ready to make the best of the situation even if control measures don't always work? You probably can't count on nature taking care of the borers, right away, at least. So one farmer told us this: Hog-tight fencing may be an extra-good investment over the next few years.

And another said: Farm-sized dryers may be part of the answer. September picking, drying and shelling certainly would have kept a lot of corn off the ground this year.

What To Do About Borers

THERE are 100 billion corn borers in every Iowa township right now, says Iowa State College Entomologist Harold Gunderson. What can be done about them?

Chop or disk stalks, plow clean, shred fodder. Those things will help. But, says Gunderson, it will require chemical treatment, too. Here are his recommendations for 1950:

For first-brood borers, make two applications of 1½ pounds of actual DDT per acre. Spray first as soon as you find 50 egg masses per 100 stalks in 35-inch corn. Spray again 7 to 10 days later if you still have the same count.

A single application won't be nearly as good, but it's better than nothing. Put it on 12 to 14 days after the first eggs hatch.

For second brood, treat corn when counts reach 100 egg masses per 100 stalks.

Is it a mistake to wait until corn is 35 inches tall? "No," says Gunderson. "But you have to watch the corn closely. Sometimes it grows 10 inches in a day."

Plant a high-yielding, adapted variety with stiff stalks and strong shanks. And plant when you are ready. While late-planted corn (May 15 to 25) is less likely to be hit, waiting isn't worth the risk of bad weather.

Editorials

Don't Give Up And Burn Corn Again

AS CORN piles up, there is talk again of turning the corn surplus into alcohol. The latest estimate we have seen indicates that 16 cents per bushel is all that corn is worth to an alcohol plant.

That's mighty cheap. Wouldn't it be a lot better to turn corn into meat and milk?

Farmers, of course, know there are several ways to try to get rid of a corn surplus:

1. Cut down acreage so that you don't raise more corn than the land can stand. Trouble with this method is that reducing acreage, according to a good soil management plan, may actually increase total production of feed.

2. Burn corn for fuel. We tried that. It's expensive and wasteful. We won't try it again.

3. Turn corn into alcohol. That's better than burning corn in the stove, but it is still wasteful. You can get more use out of corn in other ways.

4. Turn corn into livestock. Produce enough meat and milk to give everybody in the United States a good diet.

Farmers would like to fit corn acreage into a sound soil management plan, then use the crop to feed to livestock. But they ask:

What will happen if we turn the corn into meat and milk and then nobody will pay a decent price for it?

That's the real question. But to burn corn—either in the cook stove or as alcohol—is a poor answer. Instead, let's learn how to raise the meat and milk that are needed—and learn, too, how to get paid for them.

TIME TO LAY

The early layer makes the money. Do your pullets start to lay in October, December or January? It makes a difference in the price you get for eggs.

Year in and year out, October, November and December are the months that pay most for eggs.

How are your pullets doing?

If your egg production isn't going up fast these days, do some figuring ahead for next year. Maybe earlier chicks, better range, more feed, would get your 1950 pullets started earlier.

Layers in the photograph above belong to Sam Erwin, Henry county, Iowa. They are the kind that start early, lay hard.

Farmers Sell Sensibly, Help Price

GOVERNMENT officials drew a long breath of relief when September ended without a rush of hogs to push hog prices below support levels. So did farmers.

Hog shipments were heavy in September. But farmers sold hogs light, kept supplies fairly even, slacked off when prices dropped, and shipped when prices rose.

Sound farm salesmanship, plus an unexpectedly big appetite for pork shown by consumers, kept prices just above the support level as the month closed. From now on, the job is likely to be harder.

We're Going To Need Food Stamps Again

YOU'LL be surprised, but the fact is that relief costs are going up fast in some states. The old, the crippled and the less efficient — the folks who held jobs in war-time and in the post-war boom—have been fired.

Some of these folks have used up their unemployment insurance. Some of them are in lines of work not covered by such insurance.

Why wouldn't this be a good time to revive the Food Stamp plan? The welfare people would certify prospects as legitimate relief cases. Then issue these folks Food Stamps to cover the usual food allowance.

This would be federal help for counties that are in trouble. It would also keep the relief families in better health and would step up consumption of desirable foods.

Can Russia Catch Up With Us?

WERE you surprised when Russia's atomic bomb went off? Many soldiers and many congressmen were.

General Leslie R. Groves, military head of the atomic project during the war, told a senate committee in 1947 that the Russians could not possibly have the bomb within five to seven years.

Some congressmen have insisted that we could keep the "secret" of the bomb indefinitely if we tried hard enough.

BUT atomic scientists made a different kind of prediction.

In December, 1945, Dr. Irving Langmuir, Nobel Prize winner, said Russia would be making an atomic bomb within three years.

Dr. Harrison Brown, atomic scientist of Chicago, said, on November 6, 1947, that Russia would have the bomb somewhere between 1948 and 1951.

Dr. Leo Szilard, who, with Einstein, gave President Roosevelt the original information which led to the atomic project, said last week: "Scientists, with surprising unanimity, had calculated in 1945 that it would take the Russians five years to make a bomb. They did it in four."

Not If We Unchain Scientists And Let Them Do Their Work

Why were the scientists able to come so much closer to the right answer than the generals and the congressmen?

The scientists knew—and said repeatedly—that the principles of atomic fission were discovered in Germany in 1939, that other discoveries were made by French, Danish, British and Italian scientists; and that all these basic facts were available for use by any nation.

Actually, Germany tried to make an atomic bomb. Russia probably started early, too. The United States got to the goal first because we put more money, men and skill behind the program.

SINCE the scientists were right, and some soldiers and some congressmen were wrong about the time it would take Russia to make a bomb, does this answer any other questions in the atomic field?

It may answer the question about "secrecy." To keep Russia from learning the "secret" (which it turns out she and everybody else knew, anyway), our scientific workers in the Atomic Energy Commission have been surrounded by regulations, tied up in red-tape and annoyed by snoopers.

The scientists have been saying that this kind of interference is hampering real work. Some have quit AEC. Others are working at half-speed.

We have a four years' start on Russia. She may have one or two bombs. We have a stock-pile of more powerful bombs.

CAN we keep ahead? That depends largely on whether the atomic energy project can attract the best scientists and can give them the opportunity to get their best work done.

Turn our scientists loose and they'll keep the United States 'way ahead in the development of atomic power for industry and agriculture. And they'll keep 'way ahead on bombs, too.

Tie them up like the Russians, and they'll be able to work no faster than the Russians.

How lucky we would be if the Russian bomb had blown away the red-tape, the regulations and the investigations from the shoulders of the scientists who gave us a head-start in atomic energy.

Old Country Talk In Iowa Farm Homes

IF YOUR grandparents were born in the Old Country, did you hear their language spoken in the home when you were a child? The last census asked this question.

Dr. Lowry Nelson, of the University of Minnesota, checked over the census data and found that on Iowa farms 35 per cent of the third-generation Czechs report hearing the language in the home during their childhood.

For other third-generation groups, the figures are: Norwegian, 24 per cent; German, 29; Swedish, 6.1; Danish, 6.7; Dutch, 22.2; Italian, 6 per cent.

Does Susie Drink Milk At Breakfast?

ARE your children drinking milk at breakfast? Maybe each of them gets a quart a day, but when do they get it? That seems to be important.

In an experiment at Nebraska University, a group of girl students were fed a standard ration for 18 days. Odd thing about the ration was that it contained no protein of any kind for breakfast.

In the second 18 days, the ration was changed by shifting one glass of milk from the evening meal to the morning meal. The girls got along much better in the second 18 days than in the first 18.

Even tho the girl students were getting plenty of protein during the day, and even tho they had a glass of milk for lunch and two glasses of milk for supper, this supply later in the day didn't make up for the shortage at breakfast.

You can get protein in other ways than in milk, of course. Many adults will take their protein in the form of bacon or eggs for breakfast, with coffee to drink.

For children, the rule seems to be: See that they get plenty of milk for breakfast. Three glasses of milk later in the day doesn't make up for no glass of milk at breakfast-time.

New Hog Support Prices

Here are the monthly U. S. averages in hog prices that the Department of Agriculture will attempt to maintain:

October	$16.40
November	15.00
December	14.20
January	14.90
February	15.50
March	16.20

Remember that these are national averages. Hog prices at Iowa country points often run 30 to 50 cents under the national average.

For a weekly guide—not a support guarantee—the government lists the following prices as the averages at the seven midwest public markets for barrows and gilts:

Week ending Oct. 22, $17.05; Oct. 29, $16.65; Nov. 5, $16.25; Nov. 12, $15.85; Nov. 19, $15.45; Nov. 26, $15.05; all December, $14.75.

Note that the average monthly price refers to all hogs. The weekly guide price refers only to barrows and gilts.

Interior market prices often run 50 to 90 cents under the seven markets. So that if the seven markets are supported at $17, the interior market in Iowa and southern Minnesota might be $16.50 or less.

Odds *and* Ends

HAVE you ever picked corn earlier than this year? And was corn ever as dry as in mid-October?

THESE strikes hit farmers hard. A man whose pay has stopped won't buy much beef or pork.

HOG shipments may hit their peak and hog prices their bottom some time in the next two months. Let's hope government buying keeps prices up to support levels.

FARMERS can continue to help by selling hogs light and by holding back when the market is flooded. But don't hold back too long.

SECRETARY Brannan says that the potato program now costs around 225 million dollars. He thinks production payments would cut cost down to 50 million.

SHOULD a state college give farmers facts about farm programs as well as about hog feeding? Iowa State economists think so, have been telling what they know about farm economics to farm groups.

FARMERS are usually better at hog feeding than they are at farm economics. But somebody generally squeals when experts in economics try to pass on what they have found out.

IF YOU'RE going to buy corn or protein by-products to feed, this is probably the time of year to do it. Except in a period of inflation, prices are usually lower around harvest.

IF FARMERS buy a lot of feeder cattle to clean up corn left behind in the field, what will this do to the feeder market in the next month or so? And to the fat cattle market next February?

NOW is the time for another peace conference to end the "cold war," cut down arms costs, and try to get international control and supervision on atomic energy.

ONE farmer at Sioux City conference said he was against all government farm programs, including the school lunch, because it "corrupts the kids almost from the cradle."

EXPLANATION may be that this farmer was only 32 years old—not old enough to remember 1921 or 1932. While younger farmers generally approve farm programs, more vigorous support comes from men of 40 and over.

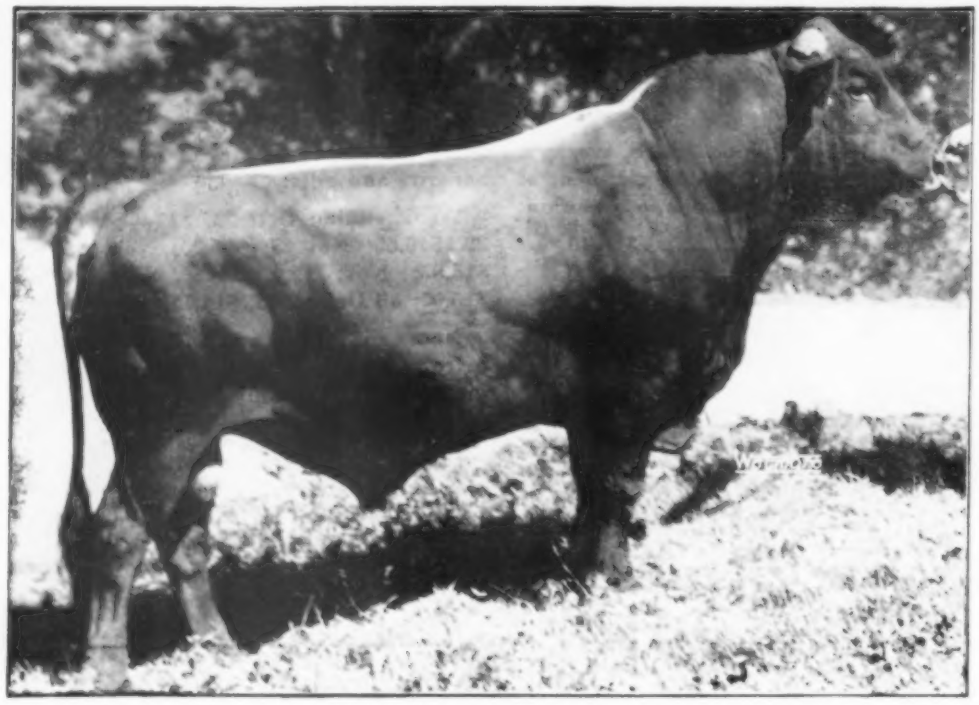
HOW do you sell more beef at a good price? If you can manage to push a consumer's income from the $1,500-$1,999 range to $3,000-$4,999, he'll usually eat 50 per cent more beef.

IF CORN acreage is cut next year, how much will it reduce total feed production? The best acres, highly fertilized, will still go into corn.

Song of the Lazy Farmer

I'VE NEVER understood at all those people who don't like the fall; they can not prove to me, nohow, that any time's as good as now. I'll argue 'til my face is blue that you can't find, the whole year thru, a month with weather like we see when old October comes, by gee. No summer heat to make you sweat, the cold of winter ain't here yet, instead the temperature's just right for daytime joy and sleep at night. No season has got half the zing that this has, 'ceptin' maybe spring, and that I can not give its due 'cause then there's too much work to do.

Consider the poor Hottentot and others livin' where it's hot, they never see the leaves change tints or gulp in frosty air that hints of winter winds that soon will blow and cover up the land with snow. They don't know how much autumn fun it is to take a dog and gun and hunt for rabbits in the field or see what game the woods will yield. I used to think it would be grand to live down in some tropic land around beneath the trees where toes and ears would never freeze. No work there, still I'd rather be up here where there's variety.



Best Record in 1949 contest was made by this Brown Swiss, owned by Elmer Mussman, of Benton county, and leased to the Eastern Iowa Artificial Breeding Association, of Cedar Rapids.

Name Winning Bulls

Wallace-Homestead Gives Awards To Owners

By WALLY INMAN

IOWA needs more dairy sires like these. The bulls pictured here are the winners in the 1949 Iowa Meritorious Sire Contest. Their owners received plaques from Wallaces' Farmer and Iowa Homestead in recognition of their contribution to more profitable dairying.

The 1949 awards were made October 7 at the annual Dairy Herd Improvement Association banquet. This meeting is held in Waterloo each year in connection with the Dairy Cattle Congress.

Awards annually go to the owners of the top 10 per cent of the living proved bulls in Iowa, regardless of breed. In 1948, between 70 and 80 bulls were proved; the same number was proved this year.

So, to hit the top 10 per cent, seven awards were made last year and eight this fall. Since resumption of the awards in 1946, a total of 25 bulls have been so honored.

The regression index used in picking the winners gives extra credit for additional daughter-dam comparisons above five. It is also weighted to give more credit to a bull which improves daughters in a 425-pound herd than to a bull which improves daughters in a 300-pound herd.

You can see how that works by looking at the table to the right. Note that the Guernsey sire boosted the production of his daughters over their dams by only 32 pounds. But he did that 16 times. And look where the dams were—at almost 500 pounds.

Note, too, that Jensen's Holstein boosted production less than the one immediately below him in the table. But Jensen's bull had two more pairs, or comparisons, than the Eastern Iowa Artificial Breeding Association bull.

The top bull, a Brown Swiss, really boosted production. He has the all-time highest index of any bull of his breed. He is leased to the Eastern Iowa Artificial Breeding Association, at Cedar Rapids. Elmer Mussman, Benton county, owns him. Joseph's D. D. was bred in Wisconsin by the W. J. Hensel & Son Estate. His provings were made in the herds of Floyd Garner, Mahaska county, Mussman and M. F. Dickson, Floyd county.

Eastern Iowa Artificial Breeding Association owns the second and fifth bulls—both of them Holsteins. This is the fourth straight year that this bull stud has received one or more awards. Jim Pirie and Lyle Jackson should soon be able to build a solid walnut bull pen out of the plaques.

Popevale Sir Ollie Mooie Pontiac was bred in the Wisconsin herd of G. W. Pope, and proved in Illinois in the Maurice Hickey herd. Their other winner was bred in the Paul P. Stewart herd, at Maynard, in Fayette county, proved in the herds of A. J. Johnson, Clayton county, Frank W. Paschal, E. N. Estey and Howard Jones—all of Buchanan county.

Just as Stewart contributed so much to Iowa's dairy industry and to improvement of the black and white cattle, his breeding has contributed a number of former winners to the Meritorious Sire Contest.

The Story County Guernsey Bull Association was back after a plaque for the second straight year. But this year they had tough luck, too. Their winner, Alert Price of Rose Hill, died after the close of the contest.

These men, John Springman and his son-in-law, Merrill Randau; W. A. Marshman, who is president of the group; Joseph A. Hotchkiss, the secretary; O. R. Bentley & Son, and H. H. Powers, keep about seven bulls in their five-herd group.

They rotate the bulls and have a chance to get a number of provings quickly. But a bull must transmit real production ability to go into these purebred Guernsey 500-pound herds and boost butterfat production.

George Jensen, Audubon county, owns the Carnation-bred Holstein, Carnation Imperial Douglas. This sire was proved in three herds in Audubon county—George Jensen's, Arnold Farstrup's and Melvin Jensen's.

Roy Olson, Sac county, and Earl L. Felt, Dallas county, proved the Olson Holstein, Sir Iowa Dona Tidy Bessie. This bull was bred in the state herd at Mitchellville.

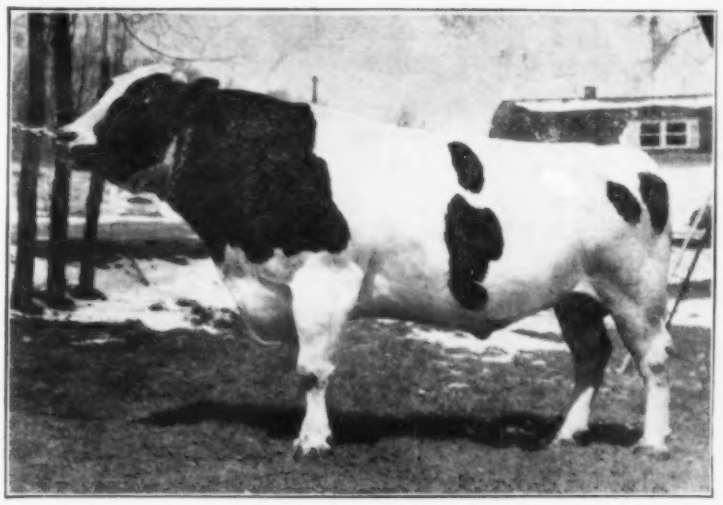
Albert C. Timm, of Muscatine county, owned and proved another Holstein winner, Knollwood Glista Chieftain. This bull was bred in New York state by Daniel I. Mayne. Since the contest closed, Timm has sold the bull to the Land O'Lakes Creamery Company.

Roy Wood, Chickasaw county, owns and proved Sir Bess Skylark Ormsby Maid. This bull, like many another past

1949 Winning Iowa Dairy Sires

Sire and Owner	Breed	No. Dau.-Dam Comparisons	B. F. Dams	B. F. Daughters	Pounds Increase
Elmer Mussman, Vinton, Joseph's D. D.	Br. Swiss	6	401	577	176
Eastern Iowa ABA, Cedar Rapids, Popevale Sir Ollie Mooie Pontiac	Holstein	6	364	520	156
Story Co. Guernsey Bull Assn., Ames, Alert Prince of Rose Hill	Guernsey	16	494	528	32
George B. Jensen, Exira, Carnation Imperial Douglas	Holstein	7	486	536	50
Eastern Iowa ABA, Cedar Rapids, Sir Tritomia Transmitter	Holstein	5	481	540	56
Roy Olson, Sac City, Sir Iowa Dona Tidy Bessie	Holstein	5	516	544	28
Albert C. Timm, Muscatine, Knollwood Glista Chieftain	Holstein	5	400	485	85
Roy Wood, Ionia, Sir Bess Skylark Ormsby Maid	Holstein	5	297	424	127

Guernsey winner, Alert Prince of Rose Hill, died September 7. He was owned by Story County Guernsey Bull Association.



One of the three 1949 winners in service at the Eastern Iowa Artificial Breeding Association, Popevale Sir Ollie Mooie Pontiac.

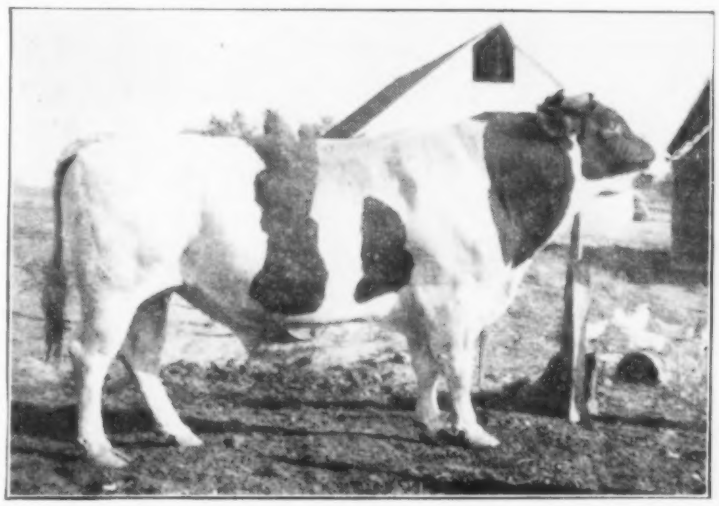
Holstein winner, was bred by G. F. Walters & Son, in Black Hawk county, Iowa.

Seventeen bulls won awards in 1946-47-48. Nine are still in service in Iowa. Several others are in service in private herds or in bull studs in other states.

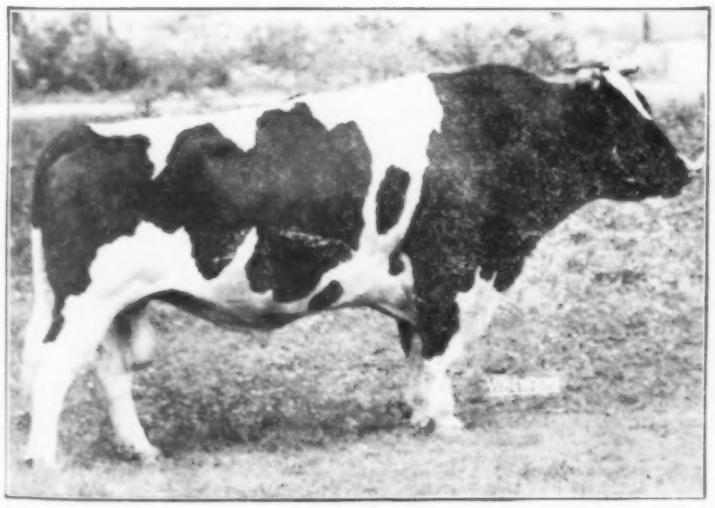
Dairy Genetics, bull stud at Des Moines, has Royaliste Volunteer, a Jersey, and Sir Bess Ormsby Dean, a Holstein, in service. Eastern Iowa Artificial Breeding Association has Royal Standard Design, a Jersey, and two Holsteins, Ormsby Fayne Ona and the silver medal Waupon Homestead Rex.

The Story county group has its 1948 Guernsey winner, Charm of Rose Hill. The state herd at Independence still has Oakdale Aaggie Ormsby Dictator. This Holstein sire is now 10 years old.

Myron Johnson, Boone county, is still using his 1948 Holstein winner, Hamer Johanna Pietertje. Three Johnson county dairymen now own the Holstein winner, Sir Bess Skylark Ormsby Triune. They are Martin Warren, Howard Fountain and Victor Mueller.

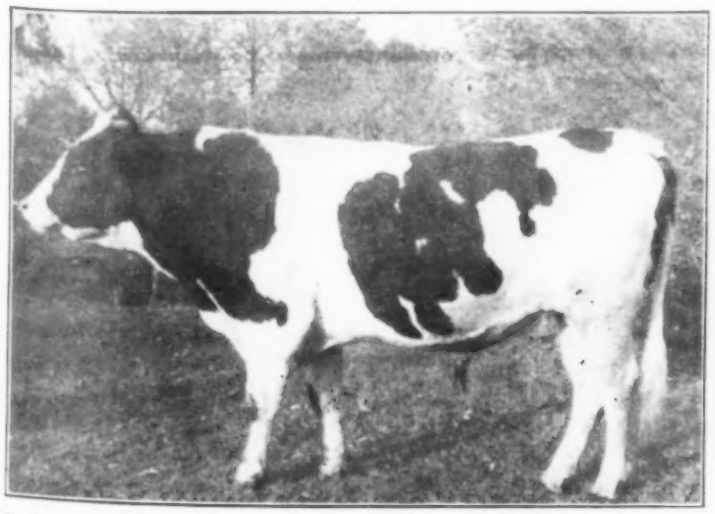


George B. Jensen, Audubon county dairyman, owns this Holstein winner, Carnation Imperial Douglas. Bull is eight years old.

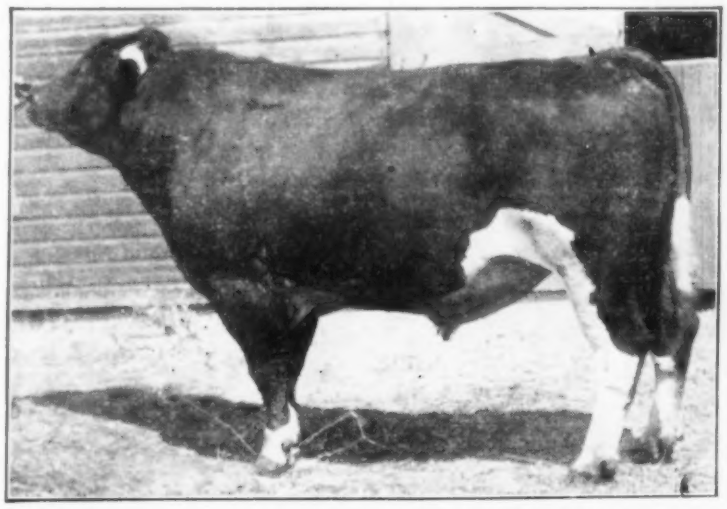


Second of two winners owned by Eastern Iowa ABA, Cedar Rapids. Sir Tritomia Transmitter was bred in Paul P. Stewart herd.

Bred in the Mitchellville state herd, this sire, Sir Iowa Dona Tidy Bessie, is now owned by Roy Olson, Sac county dairyman.



Sold since contest closed, Knollwood Glista Chieftain was owned by Albert C. Timm, Muscatine county. Now in Land O'Lakes herd.



Chickasaw county winner, Sir Bess Skylark Ormsby Maid, proved and owned by Roy Wood. Bred by G. F. Walters & Son.

What Happens to a good farm in your community when the operator dies or retires?

If You Die Tomorrow

Will Your Farm Go To Pieces? Will Your Boy Take a Mortgage That Will Break Him?

WHEN folks drive by your place now, they may say: "That's the Smith farm. Best place in the township."

What will they say 10 years from now?

The editors of Wallaces' Farmer and Iowa Homestead have been looking up a number of farms once considered the "best farms" of their communities.

Some of them look terrible now. Buildings are run down. Soil is getting thin. Often, there is a one-year tenant on the place.

What happened? Did a tornado strike or a drouth hit? No. Did low prices wipe out the operator? No, prices have been good.

All that happened was this: The farmer who owned the place held on to it until his death. Then it was divided among several children.

That is the customary way for farm operators to handle their property. It also—in some cases—is a good way to ruin a good farm.

Take John X, of Blank county, Iowa. We don't dare call names and counties in a case like this. But John is like a dozen farmers we know.

John died in 1928. One of his boys bought out the two girls and the other son. That started the boy on the farm with a heavy mortgage.

He lost the place in 1932. The farm has been rented since. The community has lost a first-rate farm family. The farm itself has gone downhill.

John's boy, now farming elsewhere, and getting along, had a hard time getting over his bad start.

Are there better ways to handle the job of passing on a farm from one generation to the next? We think so.

There are two major points to watch:

1. Get the settlement made early so that everybody will know how things are going to work out. Don't leave it to the executor of your estate. He's no smarter than you are.

2. In any disposition of the farm, use an appraisal based on 30-year average yields and prices. Don't put an inflated value on the place.

Maybe John X, 65, calls the four children in and says: "Your ma and I are going to quit farming. I've had the farm appraised. If prices the next 30 years average out the way they have been the last 30 years, it's worth about $20,000. We'll sell for that. Who wants it to live on?"

If only one of the children wants the farm, that makes it easy. If two want it, they may have to match coins. But don't split it up unless it is plainly too big. If it is a good working unit now, leave it that way.

What terms? John X goes on:

"I'll sell the machinery and livestock for cash. You can have the place on contract. I'll make you a rate of interest just a little below the land bank rate.

"But you'll have to keep books and pay me one-half of the net income of the farm each year. That applies on the principal and interest.

"If you have a bad year, your payment will be cut down accordingly. And I'll have to draw on my bonds to get along. But you won't be wrecked by heavy payments in a bad year."

It might be still better if John X, at 50, has his boy coming to work the farm on shares. And for John to say then:

"Fifteen years from now, I'll probably retire. When I do, this is the kind of deal I want to make with you. And I'll fix my will so that if anything happens to me, that deal will start at once."

The method outlined above is suggested by Sidney Henderson in the February, 1948, Land Economics. The Farmers Home Administration uses the flexible mortgage payment of the kind described.

Wallaces' Farmer and Iowa Homestead would like to hear from farmers who are giving serious thought to settlements of this kind.

We would also like to hear from younger farmers who wish the old man would come right out and say what kind of a deal he'd like to make.

It's hard to ask outright about things like this. A boy can't say: "Pop, some day you'll be hauled off by the undertaker. What happens to me and the farm then?"

Yet a boy, working on the home farm, has a right to know what's ahead. Definite plans should be made for disposition of the farm when the father quits or dies.

Plenty young fellows don't have this to worry about. The old man hasn't any farm or any money.

But many corn belt farmers can leave things in good shape for their farms and the farmers who succeed them.

Settlements are possible that are fair to:

1. The old folks. They need enough money to live on.

2. The farm. It should be kept up as an operating unit, not worn down or split up.

3. The son on the farm. His back should not be broken by a mortgage that is too heavy.

4. The other heirs. They are entitled to a fair share, but they should not get the benefit of a settlement at inflated land values.

We need better ways of transferring farm property from one generation to another. Let's have ideas.

How to Ruin a Good Farm

Here is one way that a successful, competent owner-operator can wreck a good farm:

1. Hang on to it until you die. Don't make a deal with your son.

2. Sell farm at inflated price to the boy on the farm. That will load him up with a heavy mortgage.

3. Feeble management in your older years, plus handicapped management by your son, will wear the place down.

4. Next period of low prices may finish the wrecking job.

Settlements can be made that are fair to the farm, to the family, to the son who stays on the farm, and to the older people who retire.

Settle the future of the farm now, while you can still make sensible plans. Come to an early agreement with the family.

Read this article for suggestions.

WHY ARE MM SHELLERS THE LEADING SELLERS?

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CLEANER, FASTER SHELLING MAKES MM THE PREFERRED SHELLER

MM quality Corn Shellers give you more for your money by shelling corn faster, cleaner, easier and better and shelling all corn without cracking the kernels or breaking the cobs to bits. MM Model D and E Corn Shellers are engineered and built to run longer . . . to give more seasons of trouble-free service . . . to stand-up under all shelling conditions. That's why MM Shellers are leading sellers—they're the preferred sheller!

MM SHELLERS OPERATE EASIER! MM Shellers have fewer moving parts and the high-speed roller and ball bearings are pressure lubricated and designed for heavy duty. Owners say that MM Corn Shellers shell more corn with less tractor or engine power—practically all the power is channeled direct to the corn shelling mechanism. MM Shellers can be backed into close quarters and wheeled right up to crib on two transporting wheels. All-steel, high-capacity drag conveyor operates by heavy-duty roller chain drive, has inclined 6-foot section, 10-foot sections, and 2-foot outer stub section.

MM SHELLERS ARE SAFER! MM Corn Shellers are built for safe, dependable operation season after season. There are fewer moving outside parts and these are carefully shielded by protective guards. Belt and chain tighteners are easily adjusted for your protection. No fly wheels are used.

MM SHELLERS LAST LONGER! Cylinder cages on Model D and E Corn Shellers require no adjustments or changing, and they are carefully balanced to eliminate vibration. Round steel rods supported by strong steel bands do not break or scratch and crack the corn . . . never need to be sharpened, ground adjusted and seldom have to be replaced. MM Shellers have only one countershaft — no unnecessary gears, chains and sprockets to waste power and require attention. High carbon steel countershaft drive gears have cut teeth for longer life, quiet operation. Drive gears are fully enclosed and run in oil. Rugged construction throughout assures longer life and thorough, dependable service.

MM SHELLERS FIT YOUR REQUIREMENTS! MM Corn Shellers come in two sizes for the large or small corn grower. Model D has capacity of up to 200 bushels of snapped corn and up to 300 bushels of husked corn per hour and operates with 1 to 2 plow tractor power. Model E has capacity of up to 1000 bushels of snapped corn and up to 1200 bushels of husked corn per hour and runs with power of 2 to 3 plow tractor. MM Shellers shell all types of ears quickly and are equipped with easily attached husking pegs for handling ears with extra heavy husks.

MM SHELLERS PROVIDE CLEANER CORN! MM's Corn Shellers clean better under all conditions with combined *blast* of the cleaning fan and *suction* of the suction fan operating together over entire length of adjustable cleaning shoe. Shelled corn is *thoroughly* clean before it is delivered into elevator. Efficient suction fan removes husks and wastes from the cob rack assuring cleaner cobs.

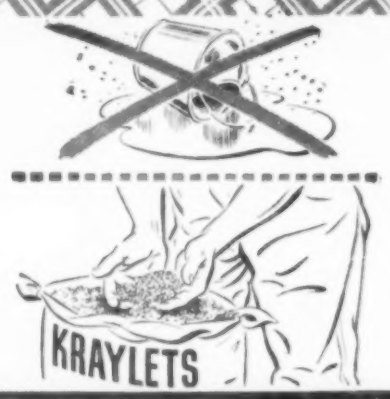
MM SHELLERS ARE IDEAL FOR CUSTOM WORK! Model D and E Corn Shellers are used in many localities for custom work on neighboring farms. Truck chassis can be used to mount the Model DB and EB which have same high quality as the Model D and E and are similar in construction. MM DA and EA are popular models for warehouses and grain elevators and feature all the MM quality and long-life dependability! MM Shellers are priced right!

MORE FEATURES HELP YOU DO MORE WORK BETTER AND IN LESS TIME!

- Smooth shelling gets all the corn without cracking or breaking
- Combined cleaning fan blast and suction fan action get the shelled corn cleaner.
- Two wheels permit easy backing and shifting in close quarters
- Fewer adjustments and fewer moving parts require less attention
- Fewer outside moving parts make shellers safer and easier to operate
- Cylinder cage requires no attention, adjustment, or sharpening.
- MM Shellers are light running, easy to transport, and easily lubricated
- MM Shellers shell husked or snapped corn

See Your Neighborly, Neighborhood MM Dealer for Complete Facts on MM Corn Shellers and Other MM Modern Machines, Visionlined Tractors, and Power Units.

MINNEAPOLIS-MOLINE
MINNEAPOLIS 1, MINNESOTA



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Use KRAYLETS — 80% dairy products* in revolutionary dry kernel form!

Your hogs can now have valuable *dairy products* without any muss, fuss or slop feeding. Simply add *Kraylets* to regular rations. It's 80% dairy products in handy dry kernel form. No messy liquids or pastes to handle—just these sanitary dry kernels you can hold in the palm of your hand!

You know how dairy products help keep pigs in vigorous health—making fast, thrifty gains. Highly concentrated Kraylets is the most economical way to feed dairy products ever developed! You only need ¼ lb. per hog daily—mixed or ground in with other feed, or hand fed.

Kraylets helps put weight on hogs economically

Kraylets contains one of the highest quality proteins available for animal feeding—*milk protein!* Efficient milk protein helps balance vegetable proteins in grains—puts them to work for maximum nourishment. That's why Kraylets helps hogs make fast, thrifty gains—why Kraylets helps put on more pounds of pork for every pound of feed!

At every stage of development, Kraylets helps boost hog profits—in giving young pigs a fast start—in helping you get hogs to market earlier at less cost!

**Kraylets contains 80% concentrated dairy products!*

The dairy products in Kraylets are 65% dried cheese whey, 9% cheese rinds, and 6% dried skim milk. The rest of the formula consists of 14% soybean oil meal, 4% alfalfa meal (dehydrated), 1% dried brewers yeast, and 1% edible beef tallow.

Find out about profit-boosting Kraylets from your dealer today!

or write:
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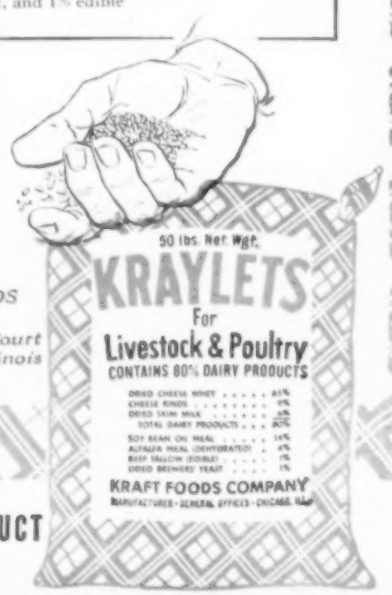
Chicago 90, Illinois



A KRAFT PRODUCT

WHAT'S AHEAD FOR HOGS?

Supports Slide Toward $14

December Is The Low Point In The Hog Support Schedule For Winter

HOGS are going to be supported this winter at 90 per cent of parity. If it can be managed under the present law.

The Hope-Aiken law orders supports at 90 per cent of parity until January 1. From January 1 until March 31, the Secretary of Agriculture can rule on support levels.

Secretary Brannan has ruled that he'll try to keep hogs at 90 per cent supports thru March.

But what does 90 per cent of parity mean — on a month-by-month basis?

Here's what the Department of Agriculture says. Prices below are U. S. averages for all hogs for the months indicated:

October	$16.40
November	15.00
December	14.20
January	14.90
February	15.50
March	16.20

What does this mean to an Iowa farmer? Ordinarily, the U. S. average is higher than the price at country shipping points in Iowa. So Iowa's supports would be a little under the prices above.

How can the Department of Agriculture plan its pork-buying program? These national averages are made up late. A severe hog slump could come along and run for days before national figures would be available.

So, as a guide in supporting hogs, the department has listed the following prices for barrows and gilts at seven midwest markets — Chicago, St. Louis, Sioux City, Kansas City, Omaha, South St. Paul and South St. Joseph:

Week ending—	
October 15	$17.45
October 22	17.05
October 29	16.65
November 5	16.25
November 12	15.85
November 19	15.45
November 26	15.05
All December	14.75
January 7	15.00
January 14	15.25
January 21	15.50
January 28	15.50
February 4	15.64
February 11	15.90
February 18	16.15
February 25	16.40

Prices of hogs at interior markets in Iowa and southern Minnesota usually run lower than the seven-market average. Farmers who sell to packers and concentration points in this territory would presumably get a little less than the figures above.

Note that the government does not guarantee that prices at any of these markets will be held exactly at the points indicated.

If a lot of hogs came to market in early December, and broke the price below $14.75, the government would try to buy more pork and push the price up higher later. The aim would be to make the monthly average at the seven markets come out around $14.75. But the farmer who sold at the low point would not get the support price.

Note also that while the midwest market average for December is $14.75, the U. S. average for December is $14.20. Why the difference?

The U. S. average applies to all hogs — sows, barrows, gilts, pigs, etc. And it covers the whole country.

The midwest market average deals only with barrows and gilts at seven markets.

How much trouble will the government have in keeping hog prices up to these levels?

That depends in part on strikes, on pay rolls, and on the way farmers send in hogs. If the strikes are over, if pay rolls hold up, if farmers sell light and sell steadily, without flooding the market, prices may stay above supports most of the time.

When prices head down, then the government must step in and buy pork. This method will keep the price up if too many hogs don't come in at once.

If there is a flood of hogs, and if pay rolls drop, government buying of pork probably won't keep prices at support levels.

Congress refused the recommendation of Secretary Brannan that production payments be authorized for hogs.

Under this plan, if hog supports were at $14 for Iowa in December, and if the market dropped to $13, a farmer would get the difference, or one dollar, in a government check for each 100 pounds of hogs he sold during the month.

The production payment plan would make sure that the hog producer got the support price promised, either in the market or thru a government check.

Either method is a subsidy, paid out of the treasury. Most estimates indicate that the production payment method would cost less and would give the farmer more assurance of getting support prices.

Until congress meets again, however, the Department of Agriculture will only be able to use pork-buying as a means of maintaining hog prices at 90 per cent of parity.

If hog prices dip below support levels in the next two months, farmers will probably demand that production payments be authorized. These revised hog supports look low enough, anyway. And if prices dip still lower, farmers may insist on a change of method.

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Imagine having ice cream, cookies, pies and cakes ready all of the time. Surprise parties and unexpected guests are fun with a freezer.

You can laugh at the weatherman when you choose "butchering day" at your farm. Any day is the right day with a home freezer on the job.

It's easy to serve nutritious, tempting meals too, the year 'round, with a money-saving home freezer. Delicious foods are ready to serve at a moment's notice and each meal you serve means sizeable savings to you.

Shop when foods are in season and the price is right . . . have it ready for your table when you want it.

A home freezer seals garden-fresh flavor right into your menus. Gone are the days of canning drudgery . . . and long winter months without vitamin-packed fresh vegetables. Now you can fresh-freeze food that will delight your entire family.

A home freezer is another milestone in Reddy Kilowatt's race for gracious living. Ask your appliance dealer or one of the business-managed electric companies listed below.

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IOWA POWER & LIGHT COMPANY
IOWA PUBLIC SERVICE COMPANY
IOWA SOUTHERN UTILITIES CO.
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The friendly symbol of the electric light and power industry.

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BUY ON PROOF Ask for a Demonstration

What another farmer says about his tractor **is as reliable a guide as you can find for the selection of a tractor for yourself. That's why we asked thousands of farmers to tell us, in their own words, how they liked their Ford Tractors. Just a few of their expressions are given below. We think you will find these comments valuable as an indication of what you, too, may expect from a Ford Tractor and Dearborn Implements.**

FROM IOWA: "The Ford is better riding. You don't get as tired and the touch control is the fastest lift and a lot less labor to set your implements. You work all the corners and get in smaller places with it." C.S.*

FROM MISSOURI: "I have never used a tractor that comes as near doing all the jobs on the average farm as cheap and easy as the Ford." G.E.N.*

FROM WISCONSIN: "One could never believe the power that they have for plowing or any other job. We are 100% satisfied customers . . ." M.G.S.*

FROM IOWA: "I plowed a piece of wet ground where another tractor almost became stuck just passing through. One does not lose much time changing from one machine to another." L.J.F.*

FROM IOWA: "I would not care to farm without a Ford Tractor, especially in the winter to haul feed, bedding and manure through deep snow. We have only two tracks to make where with the (other make tractor) we would have to make three and that sometimes is the difference between getting stuck with the (other make tractor) and getting through with the Ford." J.H.S.*

***Names and addresses of farmers quoted above on request.*

Dearborn FARM EQUIPMENT

See Your Dealer

Talk to Ford Tractor owners in your own neighborhood; hear what they say about the Ford Tractor and Dearborn Implements. Then ask your Ford Tractor dealer for a demonstration on your farm. Find out how little it costs to change to Ford Farming.

DEARBORN MOTORS CORPORATION
DETROIT 3, MICHIGAN

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Ford Farming MEANS LESS WORK... MORE INCOME PER ACRE

Place Bait or poison on a surface where you can pick up any that rats don't eat. Runways or places where rats usually eat make good spots for bait. Pre-bait several times to win rats' confidence.

Stored Corn Means A Rat Problem

It's Time To Bait And Poison; Get Rid Of Rodents Before You Fill Your Cribs

HAROLD Gunderson, extension entomologist at Iowa State College, predicts Iowa farmers will have one of the biggest rat problems in history this year—if control measures aren't taken.

"Lots of corn on farms, and much of it being held over undisturbed, means unmolested rat populations. Perfect conditions for big increases in rat numbers," he says.

Farmers who remember how rats increased during the old corn-sealing days agree with him.

Effective rat control is simple and inexpensive. It involves four steps: (1) Clean up; (2) pre-bait; (3) poison; (4) rat-proof buildings.

Clean-up work concentrates the scattered rat populations so they are easier to poison. Pile posts and other lumber on supports up off the ground. Burn scrap lumber or other junk.

Stack bottoms, cobs and manure should be scattered in the field. Cut weeds. Fill up rat burrows. Get rid of rat hiding-places.

It takes good strategy to poison rats. That's the reason for the pre-baiting. Make friends with the rats. Get their confidence. Then cross them up with poison.

Pre-baiting also tells you how many rats are around and where they are. One hundred rats will eat a pound of bait in one night.

Place weighed amounts of clean bait in and around farm buildings at night. Next morning, pick up and weigh uneaten bait to determine how much the rats ate. If all the bait is eaten, double the amount next night.

Continue to pre-bait as many nights as needed, using larger amounts until the rats leave some. The largest amount eaten in any one night is the right amount of poisoned bait to use.

Rats will eat anything humans will eat. On the average farm, ground meat or fish seems best, according to Gunderson.

Unpoisoned bait should be put out at sundown when the weather is clear. Put it on short lengths of board or on pieces of cardboard. Set the bait boards next to the walls, inside and outside of buildings.

Keep livestock and pets penned up during both pre-baiting and poisoning. You can help protect livestock from baits by slanting a board to the wall and fastening the bait tightly. Or by placing it underneath two boards nailed together to form an inverted "V."

Once you pre-bait, and know how much poisoned bait to use, you are ready to poison.

A number of poisons, including red squill, antu and barium carbonate, will do the job. However, if you have poisoned before with squill or antu, use a different poison this time, Gunderson says.

Red squill is a good poison. It kills only rats. One disadvantage is rats which recover from the poison recognize its taste and will not touch it again. Mix one pound of red squill with one pound of bait.

Antu kills more quickly than most other common rat poisons. However, rats recovering from it become immune to further antu poisoning. Also, antu will kill domestic animals. Mix according to directions.

Barium carbonate is tasteless, odorless, and can be used repeatedly without making rats suspicious. It is poisonous to all kinds of animals, and must be used with caution. Mix one pound of barium carbonate with five pounds of bait.

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ALL 3 Guaranteed!

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Savings Guaranteed

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By ordering NOW, you protect yourself against any rise in prices. If prices go up, you pay today's price. If prices go down, you pay the lowest price effective on the day you take delivery.

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If you don't believe that the D-X Products you buy in this annual fall Pool Car Oil Sale are the best you have ever used, Mid-Continent will give you your money back.

49-7

How To Get This *Triple Protection*

Plan your fall, winter and early spring oil, lubricant and farm specialty requirements. Place your order NOW with your friendly D-X Farm Serviceman or at the D-X Bulk Station. Specify the day or dates on which you want delivery. NO MONEY NEEDED WITH YOUR ORDER. You pay on delivery. But, you must order during the Pool Car Oil Sale—Sept. 15 to Nov. 15.

D-X MOTOR OIL with EXTRINOL

The oil sensation of the year. Now, D-X Motor Oil contains an extra — Extrinol — that helps keep motors clean, protects bearings and fights sludge. It's a tougher, safer, more economical oil for you to use.

THESE D-X PRODUCTS AT SALE PRICES

D-X MOTOR OIL with EXTRINOL • D-X HEAVY DUTY & DIESEL MOTOR OILS • DIAMOND MOTOR OILS • D-X MARINE OIL • D-X & DIAMOND LUBRICANTS • D-X, DIAMOND & FAULTLESS GREASES.

Also we offer a number of our:

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—including Outboard Motor Gear Grease, Separator, Penetrating and Flushing Oil.

—plus special reduced prices on present stock of Rust Proof Compound, Insecticide and Stock Spray.

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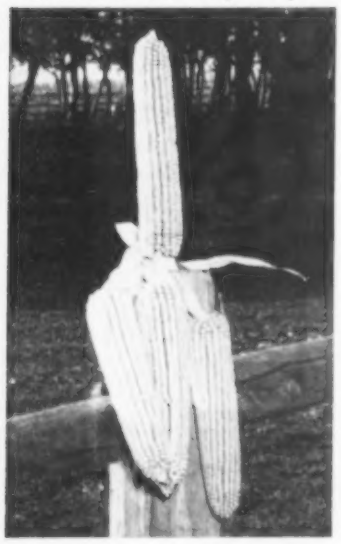
This "A-Maize-ing"
Moews Improved Hybrid 14
MOEWS "MASTER-MATING"

Growers of MOEWS IMPROVED HYBRID 14 are "gloating" again this fall about another bumper crop. "MASTER-MATING," most popular MOEWS IMPROVED HYBRID, is again winning compliments from Canada to Kansas. It is winning praise where grown in fertile valleys, on broad plains, and on the thin soils of hillsides.



This amazing hybrid, MOEWS IMPROVED HYBRID 14, is unlike ordinary hybrids. Ben Moews produces it from his own "convergent-improved" inbreds. They inherently make giant ears. Vigorous sturdy stalks are fed by deep, fibrous roots. The deep, wide, thick kernels are packed with mellow starch and big oil-and-protein-rich germs. They are famous for feed quality.

If you've never grown this "A-Maize-ing" MOEWS IMPROVED HYBRID 14 . . . reserve a supply *now* for planting next Spring. Then, come Fall, you, too, will have big, uniform, ripe ears to display with pride on *your* fence posts!

say "maize"
MOEWS
Improved HYBRIDS

MOEWS SEED COMPANY
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Send free descriptive material on MOEWS IMPROVED HYBRIDS to
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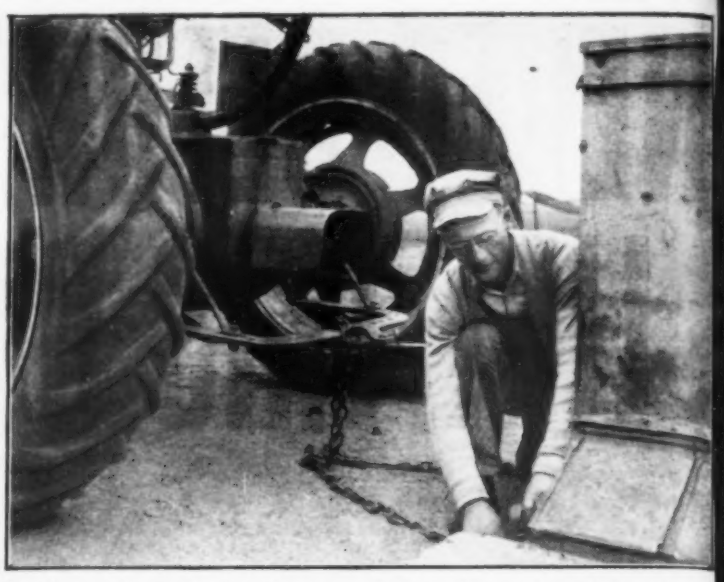
☐ Check here if interested in a MOEWS IMPROVED HYBRID dealership.



Early sorting of gilts gives you better chance to put 'em in top shape by breeding time, says Gale Davis, Sac county, Iowa.

Sort Gilts Early For Best Pigs

They Need To Grow, Not Get Fat; And You Won't Be Tempted To Ship The Best Ones

DID you sell the big end of your spring pigs on September's high market? Those who did are busy with plans for next year's spring litters.

That means they've sorted out their gilts, or are doing so. And are getting them ready to make pigs, not pork.

Even if you aren't an early bird, it isn't too soon to be getting ready for 1950 spring pigs.

Because, say successful hog raisers, gilts need much different handling than market hogs. The idea is to make 'em grow, not make 'em fat.

That's why you'll find a lot of good hog men sorting out their gilts as early as four to five months of age, then putting them on an oat-heavy growing ration.

Gale Davis, of Sac county, Iowa, raises around 20 March litters a year. He likes to get gilts picked out before September 1. He was feeling bad this fall because a little erysipelas trouble slowed him down, and he didn't get the job done until late September.

Usually, Davis self-feeds gilts on oats, supplements and mineral, with just enough corn to keep them growing. This year, because of the late sorting, his gilts were pretty fat, so will get no corn for a while—except from stalk fields.

Carroll and Wesley Sandell, of Webster county, Iowa, who breed about 50 gilts for March pigs each year, agree that early sorting makes better gilts. "Should be sorted now," they said in September.

Biggest mistake hog men make, says Don Doolittle, of Hamilton county, Iowa, is to wait until the spring pigs are ready for market before sorting out gilts. That could mean that gilts are too fat at breeding time and may produce small and weak litters.

There's another big trouble with late sorting, says Doolittle. If you wait until marketing time, it's mighty hard to save back those nice, fat gilts. The temptation to load the top end in the truck means that many farmers wind up breeding their poorer-doing stuff.

That points up the second rule: Keep your best-doing gilts for breeding. Ear-marking to spot the big litters is one way to do it.

But some hog raisers think there's a joker in depending too much on ear-marking. With only two litters a year, they say, you can't always be sure which sows have "big-litter" stuff in them.

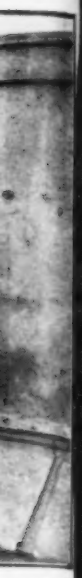
Gale Davis ear-marks his litters, but he isn't rabid on the subject. "Doesn't always prove out," he says. "Some gilts farrowed five or six pigs last spring, had nine or ten this fall. Another had ten last spring, only five this fall." So he pays attention to the way gilts have grown, too.

Another reason for sorting gilts early, of course, is that you can let 'em run more if they aren't in with the market hogs. And top hog men will tell you there's nothing more important than exercise in bringing gilts up to breeding time in the "pink."

Davis' gilts run on clover-alfalfa pasture, and in the stalks. Self-feeders are in the pasture, so the gilts won't be tempted to get lazy. "We had a lot of ice around here last winter," said Gale, "and there were a lot of weak pigs in this community as a result." Davis kept his gilts exercising by sprinkling ashes from lot to feeders.

But gilts need to be in good shape and gaining at breeding time. You can make them that way by flushing—stepping up the corn for a while before they're bred. But the problem this year, with lots of corn on the ground, may be to keep them from getting too fat.

Don't forget your boar, either. If you plan to use a spring pig, handle him just like the gilts—get him early, keep him growing, put some meat on him as he comes up to breeding time.



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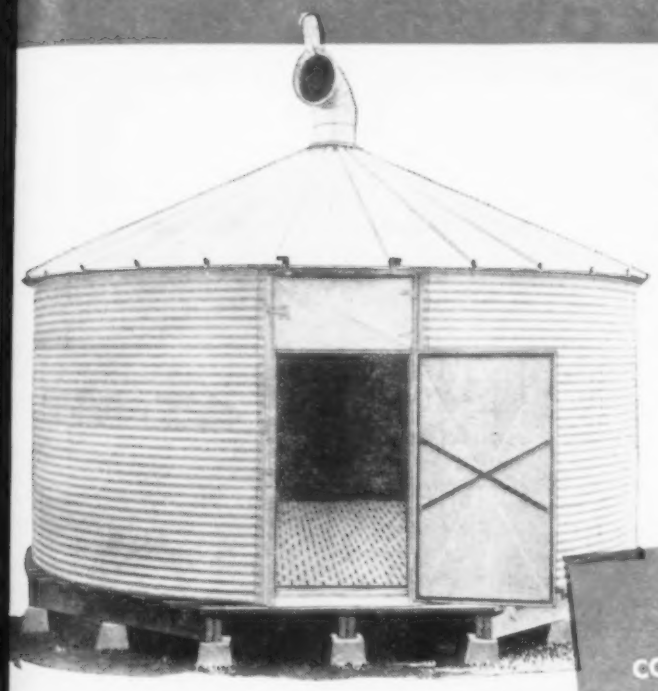
NOW! YOU CAN BUY Safe Lifetime Corn Storage for Only a Few Cents a Bushel More Than the Cost of Temporary Makeshifts



Martin "Steel-Bilt" Cribs save all the corn—keep out rats and vermin and provide quick drying. Corn saved from rats and mold plus the extra price for better grade due to quick drying will more than pay the difference in cost over the makeshift corn pen in one year's use.

Loss to rats and spoilage amount to more every year than the cost of the makeshift pen while the Martin brings you extra profits each year.

GET 10c TO 20c PER BUSHEL MORE FOR YOUR CORN

Martin safe storage and proper drying gives you top grade in addition to saving all the corn. It's the same as though you received a higher price per bushel.

ALL MARTIN CRIBS ARE APPROVED FOR GOVERNMENT LOANS

GET FREE BULLETIN ON DRYING CORN — GRAIN — SOYBEANS

Heavy losses were incurred last year because of the inability of many farmers to dry their corn. Send for our free folder and learn how the Martin new method of drying prevents all losses at minimum cost.

DRY CORN QUICKLY FOR GOVERNMENT LOANS

The perforated steel floor permits air to pass upwards through the corn quickly removing excess moisture. Drying is by natural ventilation or may be speeded up by using a blower or heater. Play safe with a Martin. Avoid having to make good on your crop loan for corn spoiled or destroyed because of unsafe storage.

MARTIN STEEL-BILT BINS FOR SHELLED CORN

The strongest bin made for safe, trouble-free storage of resealed corn or dry grain. Completely fire-proof, rat-proof and weather-proof. Obtain maximum benefits from government resealing program with this Martin approved bin.

MARTIN NEW METHOD

For Mechanical Handling of Large Quantities of Ear Corn

The New Martin Method enables you to pick corn early, dry it quickly, and reduce your handling labor to a minimum. Elevate your corn into the High Round Crib which serves as ear corn storage as well as a drier. Natural or heated air is then blown through the corn to reduce the excess moisture. Act now to eliminate all losses from spoilage, rats and weather. 1200 to 12,000 bushel sizes now available.

MAIL COUPON TODAY!

Don't wait! The big profits will go to those who act at once. Get the coupon mailed NOW!

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PIONEERS IN THE DESIGN AND FABRICATION OF STEEL BUILDINGS EXCLUSIVELY FOR THE FARM

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DETROIT PUBLIC LIBRARY

HERE'S THE Sawing Sensation OF THE YEAR!

MODEL 3-25
HORSEPOWER POUNDS

FOR FARM SAWING
TRULY A ONE-MAN POWER CHAIN SAW—WEIGHS ONLY 25 POUNDS

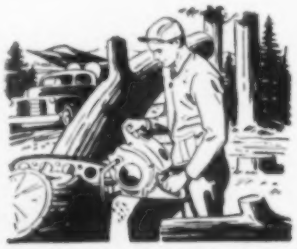
McCULLOCH McC CHAIN SAWS

Here's the portable power saw thousands have been waiting for—light weight, powerful, and the product of an experienced firm. The McCulloch 3-25 is the lightest 3 hp gasoline engine chain saw built—features kickproof recoil starter, special McCulloch magneto for quick starting, floatless carburetor for sawing in any position, fully automatic clutch, optional chains for hard or soft woods.

Now you can really turn timber into cash

Ideal for farms with timber, saves money for those needing fence posts, speeds clearing of land for crops, cuts close to ground and in any position. You can go into the cordwood business on a profitable basis—fell and rip trees that will pay for the McCulloch in short order. This season for sure, turn that timber into cash. Do your own logging—make money from timber.

The McCulloch 3-25 cuts like fury through any tree or timber up to 24" in size. It will do in minutes what it would take days to do by hand.



McCulloch's clear the way in a hurry—are easily handled for limb clearing even in heavy underbrush. Bow saw attachment quickly interchangeable with straight blades.

3 MODELS AVAILABLE

18" blade . . . $295.00
24" blade . . . $305.00
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Model 5-49 available with blades from 20" to 60" in length.

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Please send me immediately information on the NEW Model 3-25 McCulloch chain saw and name of nearest dealer.
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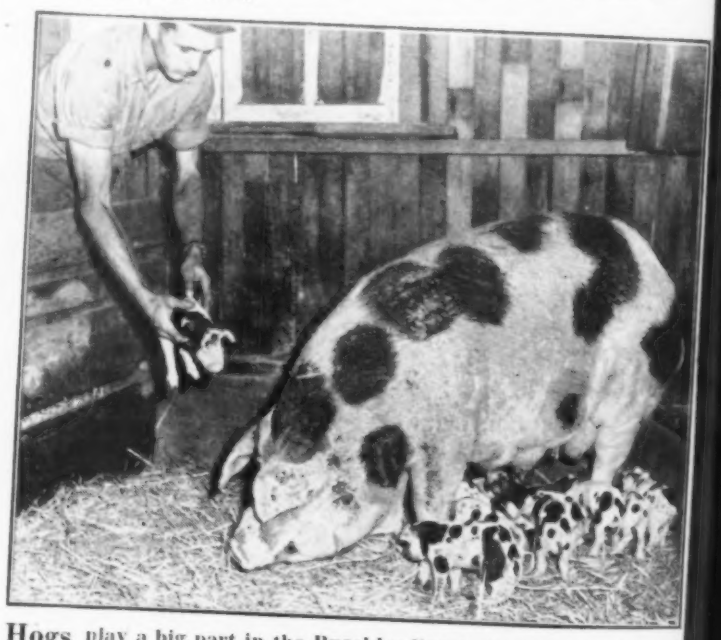
Farming looked better than college to Ex-GI Art Buechler, Boone county, Iowa. He and his wife and daughter are off to a good start on the farm Art operates in partnership with his father.

"I'd Rather Work"

Like many other GI's, Arthur L. Buechler headed for college after service in the air force. "But prices were good," says Art, "and I figured experience was good, too."

So he went back to Boone county, Iowa. After "farming out" for a year, he got married, made a deal with his dad to take over a 280-acre place. That was in 1947.

Art has no reason to regret his choice. "College is fine—don't misunderstand me," he says. But on the farm Art is having the time of his life, is making money and is getting valuable experience in a father-son relationship that has worked out fine.



Hogs play a big part in the Buechler livestock program. Art has 90 spring pigs, and about the same number from September farrowings. Fall pigs get started in individual houses on pasture.

Fall chicks? Yep, 400 of them. Mrs. Buechler also started 750 last spring, will house 250 pullets. Both she and Art are boosters for brooding with infra-red lamps. There's less fire danger, they say.

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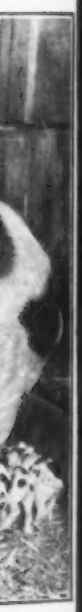

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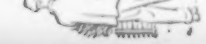

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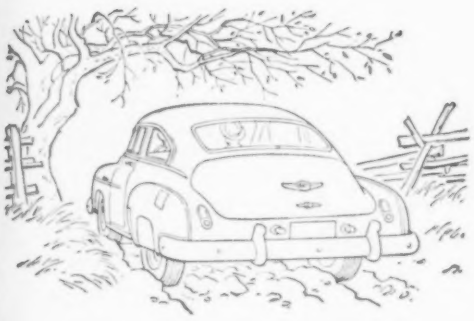
You'll get 30% more glass area all around with Chevrolet's new curved windshield, larger windows and thinner windshield pillars. Greater visibility—greater driving pleasure—greater driving safety.

For a car that really earns its keep, farmers agree Chevrolet is the most beautiful BUY of all!

The Fleetline De Luxe 2-Door Sedan



The smooth power and sparkling performance of Chevrolet's World Champion Valve-in-Head engine will conquer the roughest, most rutted road . . . give you economical, dependable service for years.

On a farm, a car really must earn its keep. A car must serve as a carryall during the day and a family car at night. Well, that's where Chevrolet shines. When it comes to versatility, Chevrolet stands alone in its field. Chevrolet has power and stamina for back roads and steep hills . . . sound and sturdy construction to withstand jolts and bumps . . . exceptional economy that keeps operating costs at rock-bottom.

Yes, a Chevrolet will stand up to the most rugged farm work and when the working day is done, you'll be proud to ride into town in style. Power with economy, beauty that lasts, and ease of handling all add up to Chevrolet, the car that farmers agree is the most beautiful BUY of all!

CHEVROLET MOTOR DIVISION, *General Motors Corporation*, DETROIT 2, MICHIGAN

CHEVROLET

Plenty of room in the luggage compartment for all the bundles you want to crowd in on your trips to town. And there's plenty of room for the tools and equipment you want to haul to the back of your farm.

Dollar for dollar, Chevrolet gives more. Just count the extra-value features! Certi-Safe Hydraulic Brakes with Dubl-Life Rivetless Brake Linings; push-button starter; Hand-E-Shift Gearshift; Unitized Knee-Action Ride; Box Girder Frame.

The smart, up-to-the-minute style of your new Chevrolet will always be a source of pride to you and your family. Your Chevrolet is the last word in smartness and good looks that will be in style for many years to come . . . as modern tomorrow as it is today.

Increase YOUR CROP profits!

Store your grain

in your own permanent

Stran-Steel Quonset

Increase your '49 profits—take full advantage of government support programs with a permanent, all-steel Quonset. With only a small down payment, Quonsets can be readily financed through your local bank or Commodity Credit Corporation . . . meet all C.C.C. requirements for crop storage facilities.

So for more profitable grain and corn storage *plus* enduring, year 'round usefulness, choose an *all-purpose* Quonset—the rot-proof, wind-resistant, fire-resistant farm building that's ideal for general storage, animal shelter, and equipment storage, too. Quonsets are immediately available from your nearest Quonset dealer. *See list below.*

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Washington Wire

Strikes Threaten Farm Prices

Men Who Are Out Of Work Can't Pay Much For Pork, Beef Or Milk

Philip Murray leads workers in the strike against steel companies. Men on strike go easy on beef, pork and milk. Farm prices may suffer.

WASHINGTON, D. C. — Beef and hog prices held up better than most farmers expected thru September. Why? Two reasons are advanced:

1. Consumers' income has continued at a high level.

2. Consumers, for some reason, have spent a higher percentage of their income for meat this summer and fall than last winter.

Now the present wave of strikes threatens both of these supports for meat prices.

The steel strike and the coal strike are not only taking a lot of men out of jobs and off pay rolls, but they are causing other manufacturing companies to slow down and to turn off help.

Officials of the Department of Agriculture say that farmers can estimate the way winter prices will go on farm products by checking the strike situation.

If steel workers and steel companies can get together, and if coal miners go back to work, the chances are fair that hog prices will show no more than the usual seasonal decline.

If the strikes are prolonged, much less meat will move at present prices.

As this is written, congress is still struggling with the Anderson farm bill. All farmers can be sure of now is that nobody is going to be satisfied with the bill that finally is passed.

That means the question of permanent farm legislation will come up again as soon as congress gets back to Washington.

The Truman administration proposes to keep pushing the Brannan plan. Republicans aren't sure what to push, altho the Sioux City conference made them more hopeful that farmers were shying away from the Brannan plan.

Some farmers want a plan that will help farmers shift from surplus crops to livestock. And one that will also try to get increased livestock production bought at a fair price.

The Anderson bill goes in the other direction and gives crops a better break than livestock.

The administration, in effect, put up to congress the question of whether the government should propose marketing quotas on the 1950 corn crop.

It told the law-makers that the corn supply is such as to call for quotas, but that it is without legal authority to put them to a vote. It explained that under the present law, quotas can not be proclaimed before the year in which they are to be put into effect—that is, they must await 1950.

But the present law is due to expire at the end of 1949. It will be replaced by a law which says quotas must be proclaimed by November 15 in the calendar year before they are to be in effect—that is, in 1949 for the 1950 crop. But this act will not be in effect until January 1, 1950.

The administration recommended that congress pass a bill which would give the government, for the 1950 crop alone, until February 1, 1950, to proclaim quotas.

The administration made its recommendation in such a way as to indicate—to some, at least—that it is not particularly anxious to have a quota referendum.

Actually, there is deep feeling in the department that it would be a mistake to proclaim quotas. First, there is fear that farmers might vote them down. Second, there are no comparable controls over competitive crops, such as oats, barley and grain sorghums.

Because of this, land taken out of corn could be used, officials say, to produce surpluses of these crops.

Further, officials dread the job of enforcing quotas should they be voted.

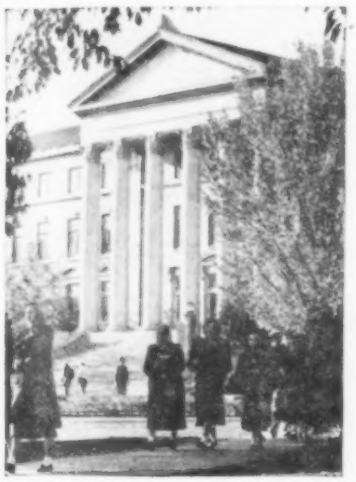
John L. Lewis has tied up the mines in strike, slowed down industries dependent on coal. Cut in pay rolls is hurting purchases of farm products.

MRS. ESTELLA PATERSON of Detroit is one of the 40,886 women who outnumber men among the owners of Standard Oil. Most of them are housewives.

DR. G. H. GRIEVE, Turon, Kansas, checks a young patient. He is among thousands of professional men who share in the ownership of Standard Oil.

LEONARD WINBERG, Warren, Minnesota, is a salesman for Standard Oil as well as one of its 97,000 owners. Many of our 48,000 employees own our stock.

MISS NORMA MARTIN is a career woman, having made her way up to an important position in a Huron, South Dakota, bank. She is also active in civic affairs.



PURDUE UNIVERSITY, one of 164 educational institutions owning Standard stock, partly finances its research and public service programs with our dividends.

THE FIRST NATIONAL BANK of Three Rivers, Michigan, is one of many financial institutions that have chosen our stock as an investment for money held in trust.

CONTINENTAL CASUALTY COMPANY, Chicago. The choice of 146 insurance companies, Standard Oil stock has proved that it is a sound investment.

CHILDREN'S MERCY HOSPITAL of Kansas City, Missouri, a 52-year-old institution, is one of 75 hospitals that are in part supported by dividends from Standard Oil.

ONE DOZEN OF THE 97,000 OWNERS OF STANDARD OIL

● People and institutions like these are among the 97,000 owners of this company and its subsidiary companies. They include 40,886 women, 36,863 men, and such others as 331 educational and charitable institutions.

No institutional owner has as much as 5% of the stock: no one man or woman owns as much as 1%. In 1948 our owners received 29% of our net earnings. The other 71% paid part of the cost of new tools and equipment.

It costs money to provide jobs. Every one of Standard Oil's 48,000 employees has behind him an average of $26,700 in tools and equipment—a much greater investment than the average for industry. So, in 1948 the members of our team—drillers, transportation workers, refiners and marketers—were able to average over $4,400 in wages and benefits.

Through the teamwork possible in a highly integrated organization, Standard Oil helped meet your record demand by making more petroleum products in 1948 than ever before. In 1949 we are continuing at this high level.

STANDARD OIL COMPANY (INDIANA)

JOHN P. DAHLBERG runs his own construction firm in Galesburg, Illinois. In all, 1,322 corporations and partnerships are among the owners of Standard Oil.

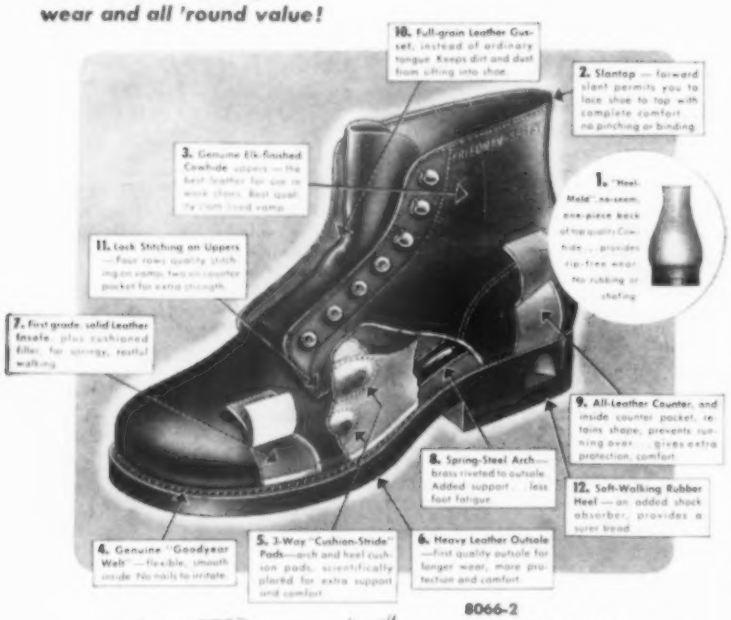
NEIGHBORHOOD HOUSE ASSOCIATION of Denver, Colorado, known for its work among children, is one of 167 charitable institutions which own our stock.

R. W. EBBEN is vice-president of a bank in Appleton, Wisconsin. Many bankers are impressed by our record of dividend payments in 56 consecutive years.

MRS. JOHN B. CABANIS of Mason City, Iowa, has been a widow since 1941. Dividends from Standard Oil stock helped put her son through college.

What do you want in a Work Shoe?

Look what you get in Friedman-Shelby Work Shoes —in fit, comfort, long wear and all 'round value!



8066-2
Brown Elk-finished Cowhide work blucher with all *12 Points of Superiority*, America's Finest Work Shoe. *(Above)*

No. 8061
Brown Retan Cowhide storm-welted work blucher with full one-piece vamp under top cap, heavy composition outsole.

No. 8078
Brown Retan Cowhide work blucher with stitched-in flange insole, heavy leather outsole.

First of all you want the correct shoe with ability to "take it" . . . to stand hard *wear* . . . right? Second, you're looking for *fit* and *comfort* you can count on. And, along with all this you want shoes that look *trim* and *neat*, don't you?

Sounds like a pretty big order. It is. An ordinary work shoe couldn't fill it. Friedman-Shelby Work Shoes can and do—and then some! Just check over the 12 Points of Superiority listed above . . . compare them point-for-point with features of other brands . . . you'll conclude, as millions of wearers have, that there's no finer work shoe at any price than Friedman-Shelby.

And remember, the high standard of quality of Friedman-Shelby Work Shoes is always uniform. It never varies. Every pair you buy will always render satisfactory service. Stop in at your nearest Friedman-Shelby dealer's, and try on a pair soon . . . you'll like them.

Prices range from $4.95 to $9.95

Friedman-Shelby WORK SHOES

Made only by FRIEDMAN-SHELBY DIVISION
INTERNATIONAL SHOE COMPANY • ST. LOUIS 3, MO.

Workday Pointers

RAT-KILLING programs are of most importance when large supplies of grain are stored on the farm.

▲ ▲ ▲

BAD ADJUSTMENT of the carburetor can waste one-third of the gasoline your car or tractor motor burns.

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WHEN A COW LOSES her calf prematurely, the cause may be Bang's disease or any one of a number of other causes.

▲ ▲ ▲

MACHINES LEFT in fields thru the winter cause people to make uncomplimentary remarks about the farmer who works the land.

One October job should be to see that every farm machine is given the best shelter the farm affords for it. A spot back in the grove is better than the open field.

▲ ▲ ▲

ONE COW IN TEN will recover from Bang's disease, estimates Dr. S. W. Alford, University of Nebraska veterinarian. About one-tenth of the cows which do not recover will abort the second time.

▲ ▲ ▲

SOYBEAN PRICES in 10 pre-war years averaged 15 cents higher in January than in October. April and May prices were 22 to 27 cents higher than October prices. The figures are provided by G. L. Jordon, of the Illinois College of Agriculture, and averages are for the 1931 to 1941 period.

▲ ▲ ▲

BUGS IN GRAIN can often be detected by getting in the bin and walking or crawling over the grain. If you don't sink into the grain, or if it seems damp on the surface, there are either too many bugs or too much moisture. Get a probe and find out the conditions in the middle of the bin. Weevils can be killed with chemicals.

▲ ▲ ▲

FALL SPREADING of lime is good practice. Lime can be spread on corn fields or bean fields after the crops are harvested. Or lime can be applied on fall plowing. Apply the lime after the land is plowed, not before, as lime does its best work in the top of the soil. Lime shows its greatest benefits on legume crops. So apply lime where legumes will be sowed within a year or two.

▲ ▲ ▲

TO KILL bugs and weevils in grain, two chemicals are recommended by Harold Gunderson, of Iowa State College. One is carbon tetrachloride and the other is carbon tetrachloride-ethylene dichloride mixture. Pump one of these preparations over the grain at the rate of six gallons per 1,000 bushels. These chemicals are not inflammable, says Gunderson, but don't stay in the bin after they are applied to the grain unless you wear a special gas mask.

CATTLE SHOULD be used to a full feed of corn before they are turned into corn fields to pick up corn after the corn picker.

▲ ▲ ▲

FEEDER CATTLE of equal quality are nearly always cheaper in the fall than in the spring. Exceptions to this rule have occurred in periods when all farm prices are falling.

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HOGS MAY NOT make their biggest gains picking up corn after the corn picker. But hogs can do the job cheaper and easier than you can. It will even pay to build temporary hog fences in many cases.

▲ ▲ ▲

ON FARMS with 35 per cent of the crop land in legumes, the corn yield was 10 to 14 bushels per acre more than the corn yields on farms with only 10 per cent of the crop land in legumes, in an Illinois test.

▲ ▲ ▲

CLOGGED SEWERS, caused by tree roots, can be cleared by applications of copper sulfate or blue vitriol, says R. C. Thomas, Ohio plant pathologist. He recommends two or three pounds of copper sulphate crystals put thru the toilet when the sewer becomes sluggish. Roots are killed without injury to the trees.

▲ ▲ ▲

DIRTY MILK and quick souring will result when cans are stored right side up with lids off. Both dust and insects will enter right-side-up cans if they are open. If milk or cream cans must remain

right side up, keep the lids on. A better way is to store cans on a rack with bottoms up and lids off. The lid, however, should be on a clean place, top side up. Good care of cans helps make low sediment test and low bacteria count, says a Purdue University bulletin.

▲ ▲ ▲

MODERATE applications of nitrogen to oats seeded to legumes are indicated to be best by Iowa State College tests. Twenty pounds of nitrogen increased oat yields 12 bushels and reduced the alfalfa stand from 96 to 76. With 80 pounds of nitrogen, oat yields were increased 24 bushels and the alfalfa stand was reduced from 96 to 50.

▲ ▲ ▲

IF YOU FATTEN cattle this winter on corn, hay and protein feed, it may require 40 bushels of corn per head to make good, fat cattle. If cattle are fattened next summer on corn, protein feed and brome-alfalfa pasture, 20 bushels of corn may do the job. But you can usually buy cattle to more advantage in the fall, so you may have to winter the cattle you feed on grass.

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(Advertisement)

Surveyed Area shows where Robert S. Conlan Survey was made. In Iowa, Nutrena Egg Feeds were voted "BEST" by more than 3 to 1 over second "best" feed. Since this survey was made, Nutrena Egg Feeds have been stepped up with special LIVIUM for Poultry, containing Animal Protein Factor to help give even better results.

R. S. Conlan, president of Robert S. Conlan & Associates. His company does independent radio and market research studies over the entire United States.

Poultry Raisers in Iowa Vote

Nutrena "BEST" 3 to 1

"Which Egg Feed is best for our flock this year?" Every year about this time, you ask yourself that same question.

Probably the surest way to find out is to ask hundreds of successful poultry raisers who have tried many brands which egg feed they've found best for egg production and profits.

Robert S. Conlan and Associates, a nationally known Independent Research Organization, has just finished a survey to find out which egg feed poultry raisers consider **"BEST."** And this is what Mr. Conlan discovered in Iowa.

Nutrena Egg Feeds were voted "BEST" by a wide margin. Nutrena got more than 3 times as many "BEST" votes as the second brand of egg feed —actually a 3.39 to 1 lead!

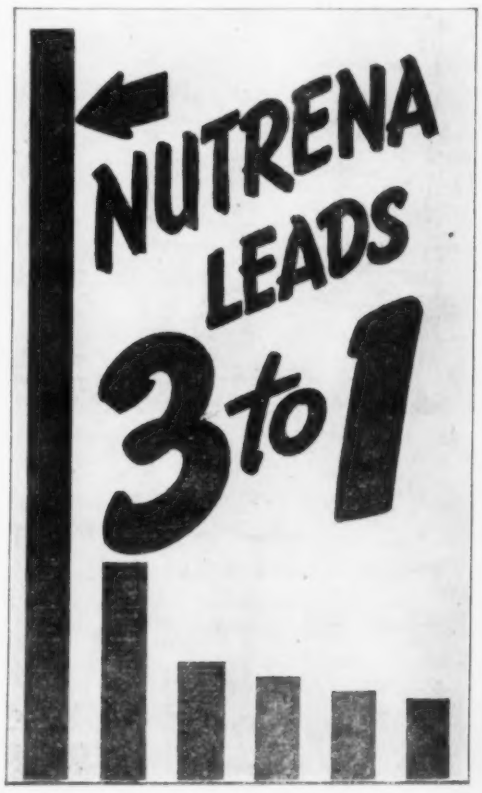
Nutrena Egg Feeds are considered "BEST" by more poultry raisers than the 2nd, 3rd, 4th, 5th and 6th brands combined!

And this fall, Crumblized Nutrena Egg Feeds are even better! Because this year Crumblized Nutrena Egg Feeds are **stepped-up with a special LIVIUM for Poultry**—containing extra Animal Protein Factor—to help protect your investment and profits.

So why take chances with your egg production? Successful poultry raisers have tested Nutrena for years and they know which feed pays. They give Nutrena more "Best" votes than the 2nd, 3rd, 4th, 5th and 6th brands **combined.** You'll find it pays to stick to the egg feed that experienced poultry raisers vote "Best."

Personal interviews were conducted by trained interviewers. Thousands of poultry-raisers were interviewed.

Feed Dealers Proud to have Nutrena again voted "BEST." They know that the "best" feed backed up with the "best" service they can give means satisfied poultry-raisers in their communities. They want you to see them about Crumblized Nutrena Egg Feed stepped up with special LIVIUM for poultry . . . source of the sensational, new Animal Protein Factor.



Votes counted show Nutrena leads second "Best" brands more than 3 to 1. Nutrena got more "BEST" votes than 2nd, 3rd, 4th, 5th and 6th combined!

Why Learn the HARD Way?

Why wait for bitter experience to teach you how costly it can be to be careless about the Motor Oil you use in your tractor or car?

GET "Lubri-tection"!

Phillips 66 Premium Motor Oil Provides Lubrication *plus* Engine Protection!

These days you just can't afford to take chances with the motor oil you use. Delays due to breakdowns can cost you plenty! Crops won't wait while you make repairs or send for spare parts. To help guard your equipment . . . and your pocketbook . . . use tough, sturdy, dependable Phillips *66* Premium Motor Oil. It lubricates as only a quality oil *can* lubricate! In addition, it helps keep engines clean . . . helps prevent the formation of sludge and varnish because it contains chemical additives for that very purpose!

This combination of lubrication *plus* engine protection is called "Lubri-tection." To get "Lubri-tection" ask your Phillips *66* Dealer or Tank Truck Salesman for Phillips *66* Premium Motor Oil.

Built for Long Life—PHILLIPS 66 TRACTOR TIRES

You get the combined advantages of sturdy construction and scientific tread design when you choose Phillips *66* Tractor Tires. Get them from your Phillips *66* Dealer or Tank Truck Salesman.

PHILLIPS 66 PREMIUM MOTOR OIL

LISTEN TO THE "PHILLIPS 66 NATIONAL BARN DANCE"
Sat. night, on your ABC Station. See your newspaper for time.

Farm Price Outlook

"Keep Your Fingers Crossed"

It's Too Early To Tell Whether We'll Have Another "February Price Break"

Are things shaping up for a sharp drop in farm prices in late winter? Iowa State College Economist Francis Kutish sizes up the signs, good and bad.

WILL we have another "February price break"? A lot of farmers are asking that question about this time of year.

We don't have enough facts at hand to give a clear-cut answer to the question. But there is reason for caution. It may be that an economy operating at nearly full employment has weaknesses that show up in late winter.

We usually have a let-down in business after Christmas. And the cold winter weather cuts down construction work.

This year, we also have the deflationary effects of the British devaluation. It generally takes a few months for the effects of any monetary step to show up. We should be feeling whatever effects devaluing the pound will have along about late winter.

On the other side of the fence, we have the bonus payments to servicemen. They should add to spending power in late winter.

So, while it is still too early to tell for sure what late winter will hold, for the time being we might best keep our fingers crossed.

Now, let's take a look at commodity prospects:

HOGS: Iowa and southern Minnesota farmers sold the largest number of hogs on record through the interior market during September. Receipts were up 180,000 from August—and 286,000 ahead of September, 1948.

We can expect hog prices to continue their seasonal trend during the next few weeks, as marketings climb. Peak runs will come some time in November.

CATTLE: Farmers have bid up the prices of the different classes and weights of feeder cattle until, from a cost standpoint, there is not much to choose among them. The decision of what kind of cattle to feed probably should be made on the kind of feed supply you have and how much risk you want to take.

Heavy cattle market mostly corn, and are the most risky. Lighter cattle market more roughage in proportion to corn. And since you don't buy as much weight, lighter weights are not as risky. Demand for feeders is likely to stay strong because of the large amount of corn on the ground.

POULTRY: Supplies of chicken meat are about at the high point for the fall. Heavy sale of broilers for the rest of the year is assured. Broiler producers have been laying chicks at a fast clip.

TURKEYS: Farmers are selling their large 1949 turkey crop earlier in the season than usual. Nearly a fourth of the entire crop will have been sold by the end of October, if farmers follow out their summer plans. Turkey prices will hold near support levels.

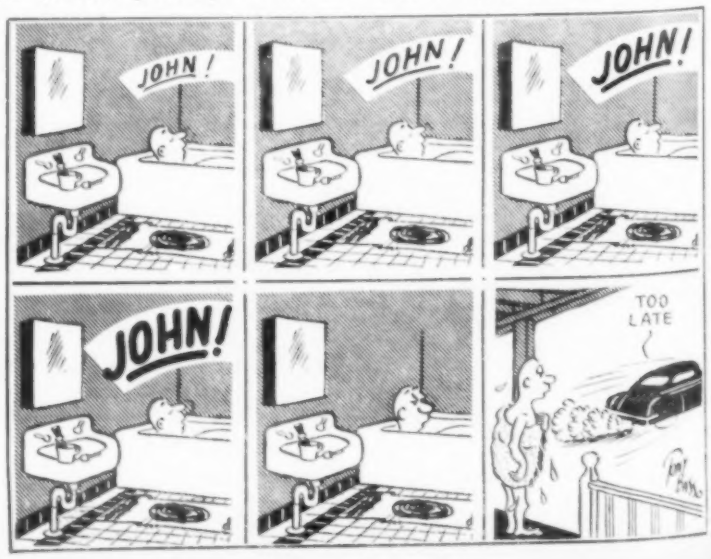
EGGS: Prices of graded eggs have gone up more this fall than the price of current receipts. The farmer who sells eggs on grade is getting more for his eggs than the farmer who sells nest-run eggs.

DAIRY: Stable prices for some dairy products, higher prices for others. That is the forecast of the BAE for the next few months. The strength stems from generally smaller milk output.

SOYBEANS: World output of fats and oils has climbed back to pre-war levels. The United States outlook is for slightly less vegetable oil in 1950. Tallow and grease output will be up. Lard output will be up sharply.

Next year's soybean price prospects hinge mainly on export demand. Export demand hinges mainly on government spending. Present indications point to smaller fats and oils exports in 1950.

LAND: Land prices in the country generally dropped a bit during the past year. But Iowa land was selling about 3 per cent higher this summer than a year ago. No sharp drop in land prices over the next few years seems likely.



"Back in the frontier days, my grandfather bought our first quarter-section from the Burlington. Four generations of our family have lived on this land.

"Through all those years, the Burlington has been our partner. Crop and livestock improvement . . . irrigation : : : soil conservation—these are a few examples of farmers and railroaders teaming up to get things done."

•

Founded in 1849, the Burlington has grown to one of America's great railroads . . . playing an important role in the winning of the West. Throughout our second century, we will continue to deliver dependable transportation—and to work with our farm and ranch neighbors for our mutual welfare.

BURLINGTON LINES

Everywhere West

Chicago, Burlington & Quincy Railroad • Colorado & Southern Railway
Fort Worth and Denver City Railway • The Wichita Valley Railway
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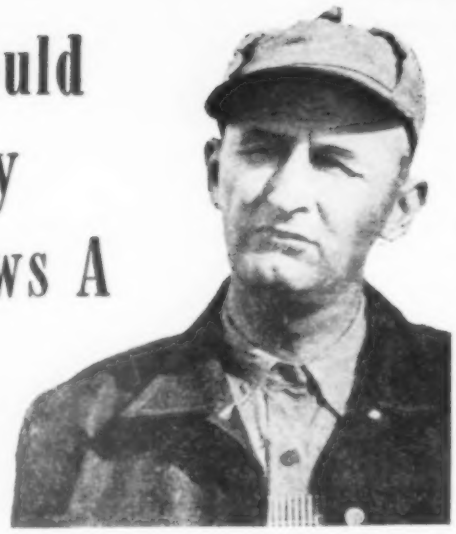
BURLINGTON'S *100th* ANNIVERSARY
1849-1949

AN ESSENTIAL LINK IN TRANSCONTINENTAL TRANSPORTATION

"Why Should I Feed My Dairy Cows A Balanced Ration?"



"I've heard a lot about feeding a Balanced Ration but it doesn't make sense to me. My neighbor, Bill, who swears by a Balanced Ration, is making more money than I am—but I don't think it's the ration . . . it's plain luck."

"So, you're skeptical, Mr. Feeder. Frankly, so many feeders have proved a balanced feeding program pays off that there can be no question about it. They know ***it's not how much they feed . . .*** It's ***what*** they feed.

"LET'S TAKE THOSE 20 DAIRY COWS OF YOURS FOR EXAMPLE . . . Here's Why Follow Through Feeding a Balanced Ration Will Pay Off—
"As you know a Balanced Ration is the proper combination of all essential proteins, vitamins and minerals every animal needs. Protein deficiency—both animal and vegetable—is one of the most common deficiencies in the midwest dairy cow's ration."

I. A cow can produce 50 pounds of milk per day if fed adequately; she uses only ½ for maintenance, the balance of nutrients for production.

II. The same cow inadequately fed uses about **half** of feed nutrients for maintenance, and produces less milk.

"The feed cost of the underfed cow is likewise almost twice that of the cow fed an adequate ration. Milk pail profits are what count. If you can double your milk production or even increase it one-third, think how much more you'll make from your 20 cows. If a single nutrient is lacking your cow's milk production will suffer. A few cows fed right will make you more money than a lot of cows fed wrong.
"Your Herd's Ration Should Contain a Balance of Animal and Vegetable Proteins, Vitamins A, D, the B group, E and G plus Iodine, Calcium and Phosphorous. Deficiencies of any of these nutrients not only limit milk production, but may lead to serious disturbances in your herd. Deficiency of Vitamin A may cause night blindness, muscular incoordination and convulsions; while Vitamin D deficiencies cause rickets, joints become swollen and stiff; a deficiency of Niacin of the Vitamin B complex is manifested by scours, emaciation and often death. Protein deficiency, the biggest robber of milk pail profits, causes low milk production. Plenty of protein is essential to plenty of rich milk.

"How can you be sure your ration is Balanced? It's simple. Just feed a Feed Institute Member's formula feed. Decide now to feed for higher milk production in the months ahead when milk will command the highest prices."

If you CARE ABOUT YOUR PROFITS, feed FORMULA FEED

Feed Dealers and Manufacturers displaying this sign are active members of the Feed Institute. That means they are supporting the FORMULA FEED EDUCATIONAL PROGRAM sponsored by the Institute.

MEMBER GOOD FEEDING DATA FEED INSTITUTE

FEED INSTITUTE INC.

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Buy with Confidence from a Feed Institute Member

You'll Get Better Results!

Now is the time to PLAN your feeding program. Take advantage of all of the expert assistance available to you. You'll find that your feed dealer or manufacturers representative will give you good profitable feeding advice.

If You Feed Cattle This Winter---

Your Profits, If Any, Will Come From Feeding Skill, Not From Price Spread

What are the odds for—or against — feeding cattle this winter? Here's the way the situation looks to Francis Kutish, farm economist at Iowa State College.

CATTLE feeding profits this fall and winter will have to come from the feeding end of the business. Price margins—the spread between what you pay for feeders and what you get for fat cattle—are not likely to be very great.

This is just the reverse from the war-time situation. Then, you didn't have to "feed" cattle to make money. All you had to do was "own" them. The rising price level assured you a high enough price margin to net a profit.

Price margins were exceptionally wide in 1946-47 and 1947-48. It took little skill to make money feeding cattle in those years.

But the story was different last year. Price margins turned out a minus figure—the cattle sold for less than they cost. But feed was cheap enough that the skilled feeder who fed for gains still showed a profit.

The situation is pretty much the same again this fall. Price margins are not going to be very wide at best.

So the income will have to come from the gain in weight you put on the cattle. And feed is cheap enough that a skilled feeder can do this with lighter cattle.

Total number of cattle fed this year is not likely to be any larger than that of a year ago. The reason: There are not as many heavy grass cattle in the country—and ranchers are holding back some of the lighter cattle to restock their herds.

But the share of the cattle which will be long-fed—headed for next fall's market—will be as large or larger than a year ago. There isn't as much short feeding as last year. And there will be more meat next year as we turn our rising supplies of corn into meat—especially pork.

The big uncertainty in the cattle feeding picture, of course, is what happens to the demand for meat. A higher share of the national income has gone for beef during the last three years than at any time in the last 20 years.

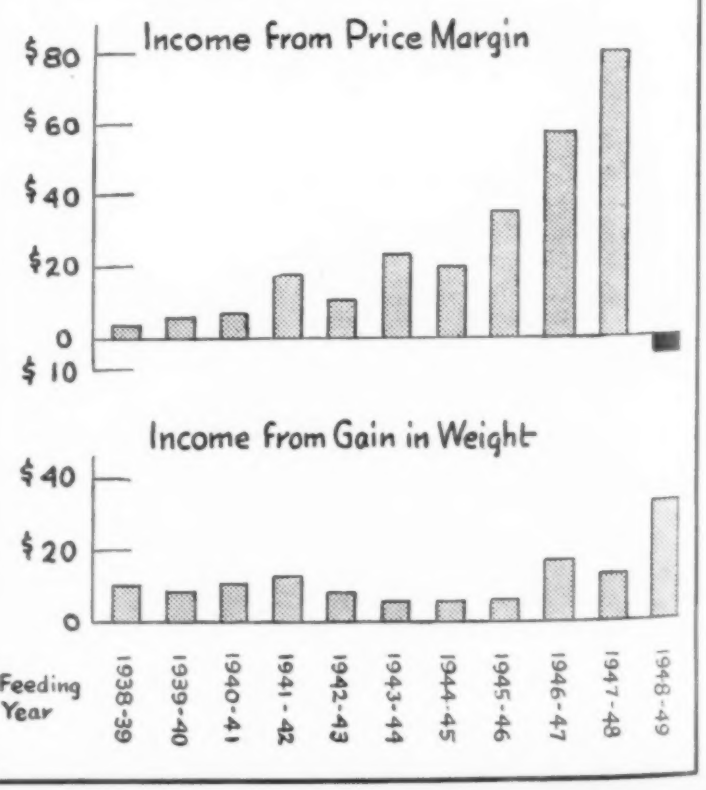
From 1938 to 1942, sale of cattle and calves accounted for $19 out of every $1,000 of national income. Last year, it made up $26 out of every $1,000 of national income. Corn-fed beef is especially sensitive to changes in consumer income.

No sharp depression seems to be in sight at this time. Yet some industries still have readjustments to make. This, plus possibility of strikes, could whack a couple of dollars off the fat cattle market pretty fast. And with that could go all hope of income from price margins.

We should also remember that fat cattle normally sell higher in the fall than in the spring. The

How Steer Makes Money

This is the way income from a yearling, bought in October and sold in July, was divided between price margin and weight gain over the last 11 years:



"With this ring I thee wed."

normal drop in a year after a big corn crop is around 5 per cent.

Business prospects look better today than a couple of months ago. The downturn has halted. But we don't know whether it is temporary or whether winter will bring further downturns.

Cattle feeding is always risky in times when business is teetering. But the risks this fall are no greater than a year ago. The experienced feeder who has a well-balanced feeding program to go along with other livestock enterprises in his farm business would seem warranted in following a normal feeding operation.

Heavy cattle fed for the short turn do not offer a very good bet in a year when prospects for price margins are not good.

Plain cattle headed for the late winter market traditionally are a safe bet. They use little corn—mostly low-quality roughage. But they will have to be well-bought to show much profit this year.

Calves and light yearlings offer the biggest chance to feed for the gain in weight. They are a logical program for a man who has had experience with this kind of cattle—and has enough feed.

Extra Switches On Elevator Motor

If your corn elevator is run by an electric motor, think how much easier it would be to have two or three switches at different locations.

For instance, says Frank Andrew, farm electrical specialist at University of Illinois, suppose your elevator is permanently installed in the crib driveway. Why not put another switch where you unload the wagon, and another at the top of the cupola?

But Andrew suggests you check with your power company before installing extra switches.

Keep Just Half Of Land In Corn

You'll keep your soil at its best and make the most profit in the long run if you have only 40 to 50 per cent of your land in corn and 25 to 30 per cent in soil-building legumes.

Says M. L. Mosher, farm management specialist at the University of Illinois: You're mining your soil if you keep more than half your farm in corn. Per-acre yields will be lower and corn yields will drop off much faster.

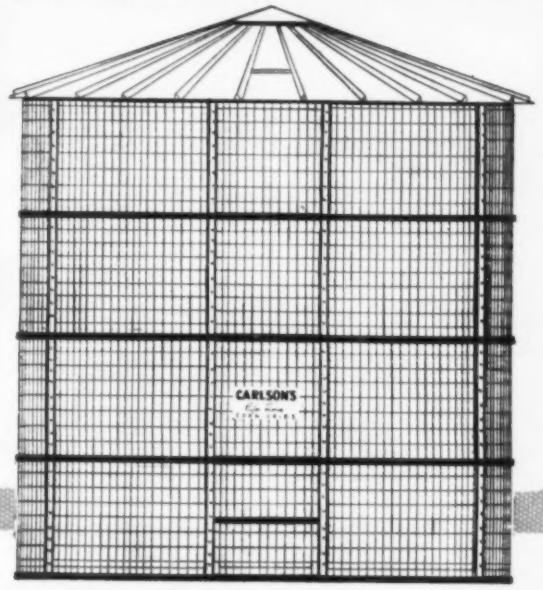
Corn, says Mosher, is the most profitable crop in the corn belt. But by growing too much you can "kill the goose that lays the golden eggs."

You Can Still Get the Best!

CARLSON *Lifetime* Corn Cribs

Available for Prompt Delivery

(IF YOU PHONE, WRITE OR SEE YOUR DEALER NOW)



EXPERTS SAY—*This crib is worth at least $50.00 more*

Keep your corn on the farm and be sure of approved permanent corn storage this year. If you need added corn storage now or in the future, this is the year to get it.

Many farmers will pay for their Carlson Heavy Duty Cribs this year by resealing old corn, resealing their new crop in these approved cribs and buying surplus corn to feed. Yes—Carlson Cribs are built to last you a lifetime.

YOU CAN STILL GET A CARLSON *Lifetime* CRIB IF YOU ACT NOW!

Elmer Carlson, former world's corn husking champion and owner of a large hybrid corn company, purchased large quantities of steel well ahead of the strike and is fortunate in working with one of the mills that did not strike. That's why he's still filling crib orders exactly to his rigid specifications for quality.

CARLSON GUARANTEES HIS CRIB TO SATISFY YOU OR HE KEEPS THE CRIB

College tests show this crib is 4½ times stronger than need be. Easy to set up or take down. Easy to fill and empty. A real farmer's crib.

DELIVERIES MADE TO YOUR FARM OR PHONE FIRST AND COME AND GET THEM

We are loading out a hundred or more cribs a day. If you are in a rush, phone us your needs and we'll try to satisfy you. We'll appreciate having your order as *early as possible.* Phone, write or see your Carlson Corn Dealer today. Please don't delay.

1000 BU. SIZE 299.50
1600 BU. SIZE 384.50

F.O.B. AUDUBON, IOWA
(Prices Subject to Change Without Notice)

CARLSON'S CRIBS ARE BUILT TO GIVE YOU LIFE TIME SERVICE

READ THESE STURDY SPECIFICATIONS

1 Constructed of heavy galvanized 5 gauge bar steel. (Tests show 4½ times stronger in tensile strength than needed.)

Exact Size of Bar Steel

2 Further reinforced for strength by five heavy steel bands securely fastened with exclusive Chanel-Lock construction for permanence.

3 Sturdy vertical Chanel-Lock bolted every six inches. Rugged horizontal steel bands, every four feet.

4 Doors easily removed. Built as strong to last as long as remainder of crib.

5 Two, 2-foot door sections at bottom for easy emptying.

6 Meets Government Loan Specifications.

SEE YOUR CARLSON DEALER OR WRITE FOR HIS NAME

CARLSON HYBRID CORN CO.
AUDUBON, IOWA

CARLSON HYBRID CORN CO., Audubon, Iowa

Without obligating me, send me more crib information. I need extra storage for _____ bushels of corn this fall.

My name is _____

My postoffice is _____

R.R. _____ County _____ State _____

I live _____ miles from _____

_____ Town _____

_____ *Directions*

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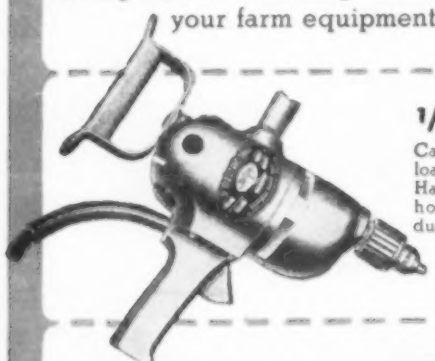
ELECTRIC TOOLS

Same Quality as are used in production and maintenance in Aviation, Automotive and Industrial plants, throughout the world.

HERE ARE THE TOOLS YOU HAVE ALWAYS WANTED!

Have unlimited uses. Save money, headaches and time by equipping yourself to do your own repairs, quickly and inexpensively—anytime. Be independent—not dependent on others, keep your farm equipment in apple-pie order.



1/2" ELECTRIC DRILL

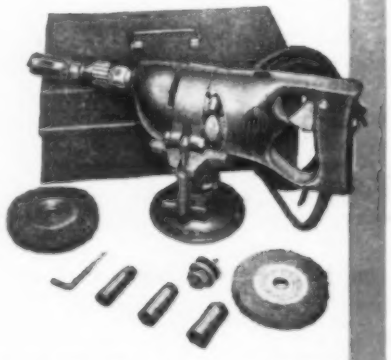
Capacity in steel up to ½". No load 525, full load 290 R. P. M. Handles Hole Saws to 2½" hole. Equipped with 3 conductor cable and plug.

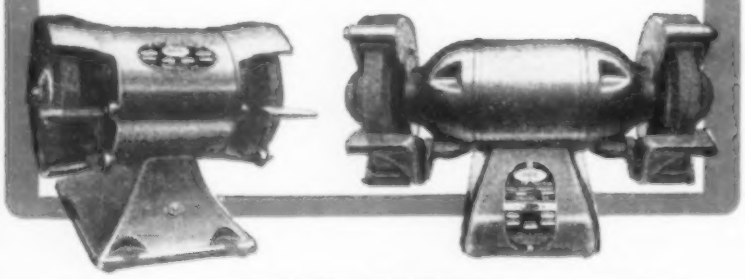
LIST $53.50

ELECTRIC TOOL SET

For Drilling, Grinding, Wire Brushing, Cleaning, etc. Set includes ¼" Electric Drill—handles to 1" Hole Saw; Horizontal Stand; 4" Wire Brush (2); 4" Grinding Wheel, Arbor, ½" dia., ¼" Shank; Arbor for Hole Saws; One each of ⅝"—¾"—⅞" and 1" High Speed Hole Saws; Metal Set Box.

LIST $53.00





6" LIST $39.70

BENCH GRINDERS (BALL BEARING MOTORS)

7" LIST $79.50

Permanently lubricated. Adjustable Tool Rests. Enclosed Guards. One fine—one coarse grinding wheel included. MOTOR: 7", ⅓ h. p., 6", ¼ h. p.

ASK YOUR IMPLEMENT or HARDWARE DEALER

If he doesn't have them, write us for the nearest source of supply to you.

RURALCRAFT DIVISION

ALBERTSON & CO., INC. • SIOUX CITY, IOWA, U. S. A.

Manufacturers of the Famous SIOUX TOOLS

Steel Bin in which Jim Krominga, Butler county, Iowa, resealed corn has wood floor mounted on skids for easy moving.

Finding A Place For Corn

New Bins And Cribs, More Resealing Are Helping To Solve Storage Problem

How's the corn resealing and storage program been going? Here's Contributing Editor Wendell Clampitt's report on a typical Iowa county.

"OPERATION Resealing" is the way many Iowa farmers will remember the fall of 1949.

What to do with corn—old and new—has been a big problem. How's it being solved? Let's take an average Iowa county—Butler—as an example.

Butler this fall had 1,209,000 bushels of corn under seal or purchase agreement. That's just average — some counties have much more.

The storage situation was changing every day when we visited Butler county, around the first of this month. But Joe Roose, longtime member of the county AAA committee, guessed the final score would read like this:

About 26 per cent in old CCC bins and leased elevator storage. Another 54 per cent in new CCC bins, most still under construction. And about 20 per cent resealed by farmers themselves.

That's more resealing than expected at first. Said Kurt Roll, AAA sealer in four townships:

"Some farmers were all set to deliver, but changed their minds when they saw the new crop would be less than expected. Now they've decided to reseal."

In one livestock township, farmers are resealing 70 per cent of their corn. Some livestock men were waiting to see how things shape up. One big cattle feeder had 13,000 bushels under seal. He will reseal part of it—how much depends on the outlook for both cattle and the new corn crop.

What are Butler county farmers saying about resealing? A lot of them go along with Jans Popkes.

Said Popkes: "We help the government, the government helps us. If it wasn't for corn sealing, where would the corn be? In the big fellows' hands. They would buy corn cheap, then put the price up."

The looks of the new crop was having a big effect. Said George Wills: "I had a bin, so I thought I'd just as well use it to reseal. That 10 cents a bushel looked good to me. And it could happen that we might use the corn later."

Ernest Schragge had 8,000 bushels under purchase agreement. He was emptying a bin of feed to make room for shelled corn. "We'll pack away what we can," he said. "You know, it might be a good thing to keep some on the farm."

Archie McNeilus was thinking the same way. "One reason I resealed," he said, "is that I don't like to run short on corn." So he built a wooden bin on skids, figures he can use it later for feed if it's not needed for sealed corn.

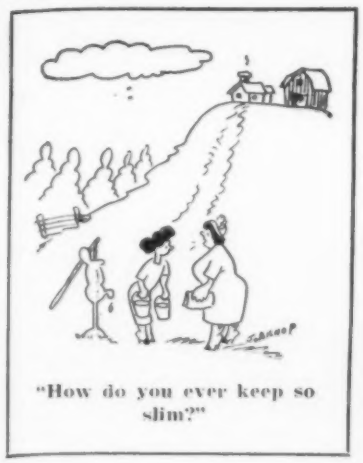
Once in a while you find a critic of the whole sealing program. "It encourages a farmer to overproduce," said Douglas Schultz. "And you're responsible even after it's sealed—it's still your corn in case it goes bad. Finally, I don't think there's enough in it to pay to reseal."

Like Schultz, many farmers hate to put 30 cents a bushel into the price of a new bin. But one man argued this way: "Ten cents a bushel helps pay for that bin. And if there's another year of it, that's 20 cents."

Some farmers have worried about personal property tax on sealed corn. A new regulation has changed that. Now there's only a nominal rate: 25 cents per $1,000.

It's true, too, that you have to take certain precautions in providing farm storage for sealed corn. "We get emergency calls," said Committeeman Roose. "'Our bins are bursting,' a man will say. Then we must take it off his hands."

Roose thinks most folks don't



"How do you ever keep so slim?"

realize how much pressure corn can exert on the walls of a bin. "It's as great as that much water," he said. "But it's worse than water because there's no give back."

One man resealed 3,000 bushels in a granary, with heavy steel rods both ways, fastened thru 4x4's outside. Still the building showed some bulge.

"Pressure keeps shifting up to about three weeks," said Roose. "After that, if your bin still is holding, it should be all right."

Roose doesn't worry much about weevil damage. "Main thing is to have the corn dry (it has to be below 13½ per cent for resealing), and clean. And you can fumigate from the top."

What about new CCC storage? Butler county men, as elsewhere, are working against time. Along the highway, near Allison, six large steel quonset buildings are going up. Each will store 40,000 bushels. At other points, they are putting up 90 new steel bins, with capacity of 3,200 bushels apiece, and 35 aluminum bins to hold 3,700 bushels each.

Many elevators, too, have provided new private storage. One impressive quonset-type structure was just being completed in southern Butler county. Said Owner Ole Janssen: "Two weeks ago, we were leveling dirt — didn't even have the concrete laid."

Janssen's new building measures 200 feet long, 50 feet wide, 25 feet high. Estimated capacity: 120,000 bushels. Already, trucks were unloading shelled corn at one end while workmen finished nailing up the lining boards at the other.

We found many shellers idle—waiting for more CCC bins. So private operators were in a position to make a charge—over and above shelling and hauling — for taking sealed corn off farmers' hands.

That makes it easier to decide to reseal. A month or so ago, some farmers growled: "Guess I'm stuck with it!" Since then, they've had second thoughts. Like the farmer who built a machine shed, put a temporary bin inside. Not so bad—when he needed the shed, anyway.

Crib and bin-building loans have been available, too—up to 85 per cent of the cost, or 45 cents per bushel.

"Up to now, we've discouraged such loans," said Roose. "We figured they could find the money elsewhere, considering it's generally in small amounts. But a Cerro Gordo county committeeman tells me they've made 100 loans there. And there seems to be an increase in inquiries about them in Butler county."

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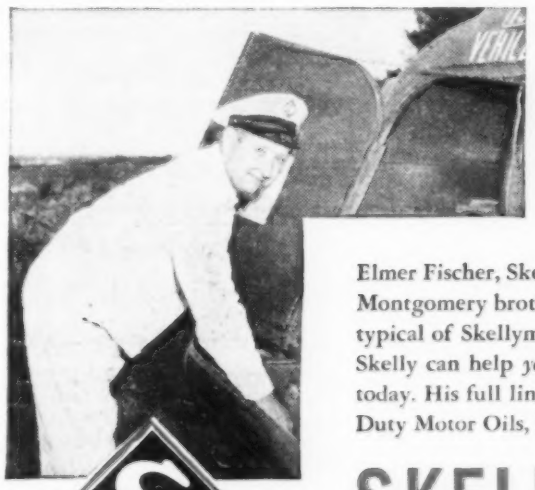
Guy, elder Montgomery brother, adds the fact that their 600-acre farm also boasts three cars and a truck—all using Skelly products, and to mighty good advantage!

You'd think the Montgomerys would have plenty to keep them occupied with their livestock and varied crops—but they also manage to tend this herd of 40 sows!

This is Robert, who lends a willing and able hand in keeping the Montgomery place humming. It includes 160 acres in corn, 80 in oats, 50 in wheat, and 60 in hay.



Austin displays a sample of the hefty livestock that topped the St. Louis market last August, averaging 1200 pounds.

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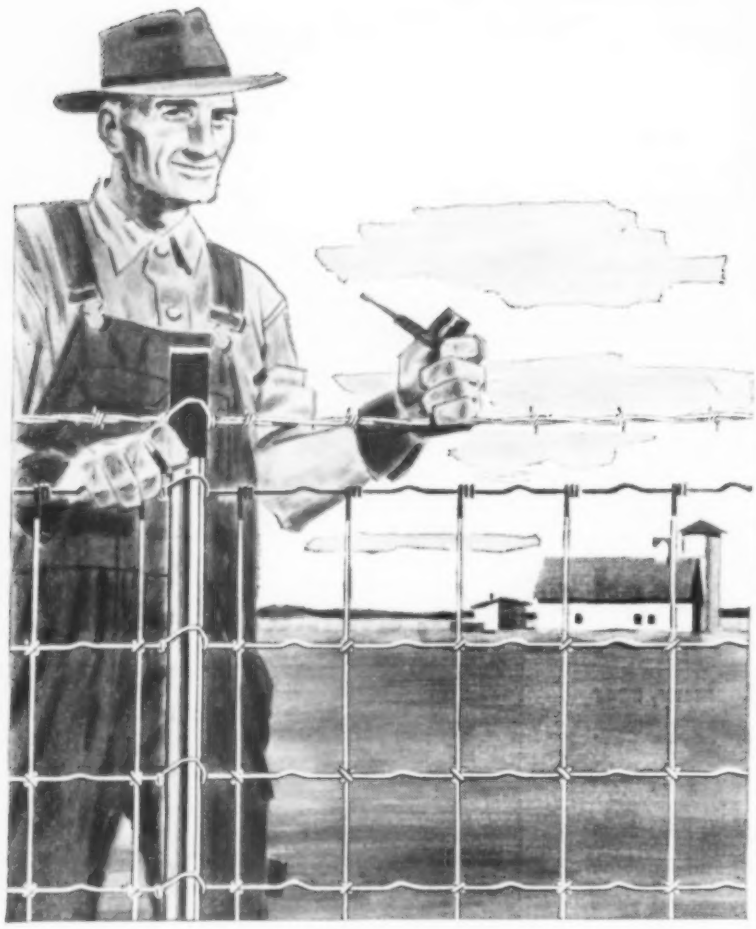

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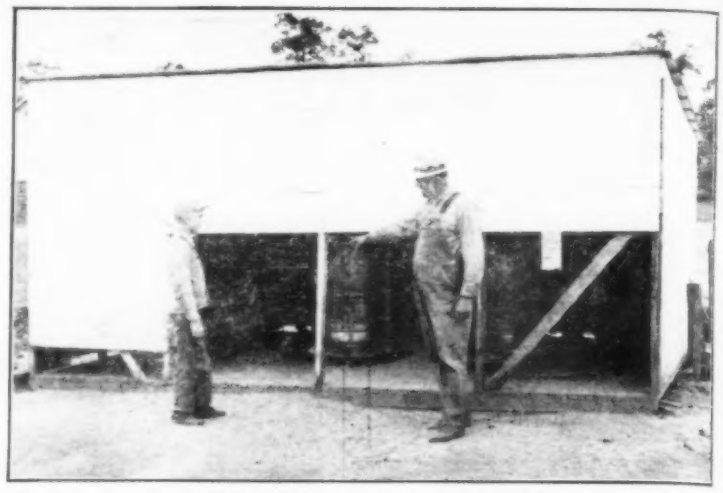

Shed protects hog feeders and waterers on Ed Jensen farm, Mower county, Minnesota. Jensen says saving in moldy feed has more than paid the cost of building. Also, pigs can't upset the feeders and waterers by rooting. Shed is on skids, so it can be moved with tractor.

Pigs Grow Faster On APF Feeds

That's What Feeders Are Told At Swine Feeders Day Programs In Three States

HOG raisers learned something about the relation of APF to fast-growing pigs at the college swine feeders days in September.

Three colleges reported on experiments under way in feeding pigs after weaning. But all of the questions are not answered yet.

At the Iowa swine feeders day meeting, farmers asked: "How much APF is necessary if the ration contains all plant proteins?" "Is there APF in grass?"

Before giving such information as we have on these questions, let's answer a few others:

What Is APF?

A long time ago, farmers learned that hogs did better running after cattle. Poultrymen found that chickens did better if they could get at their own droppings. Feed specialists talked about an unknown growth factor found in strange places.

Then hog feeders found that oil meals or plant proteins alone were not good for balancing corn in hog rations. Some animal protein, such as milk products, tankage or fish meal, had to be added for making fast gains on pigs.

The "unknown growth factor" which feed experts had talked about was finally identified as APF. It is thought to be Vitamin B-12 plus other vitamins or elements.

Is APF New?

APF was not invented—it was discovered. It has always been in milk products, meat products, fish products, egg yolks and in droppings of cattle and chickens.

The new angle is that now a way has been found to make APF in a factory. And it is the synthetic product that is being tested at the experiment stations.

It has been possible to make good rations even while APF was referred to as the "unknown growth factor." And good rations have been made. But now you can be more nearly sure that the growth factor is in hog and poultry feed.

Is APF Protein?

The letters stand for "Animal Protein Factor." But most feed specialists think this is a bad name. APF is not protein, and will not replace any protein.

APF comes in the vitamin classification. It is a vitamin, perhaps connected with other factors, that is found in some proteins of animal origin. That is its only relation to protein.

What Will APF Do?

Farmers at the Iowa State College swine feeders day saw pigs in one pen that had been fed since weaning on a ration containing corn, soybean oil meal, alfalfa meal, vitamins and minerals. This ration had plenty of protein, but no APF, either natural or synthetic.

Another pen of pigs just across the fence had received the same ration with the addition of 5 per cent tankage. Still another lot got 5 per cent tankage and 0.25 of manufactured APF.

In every case, the pigs getting APF were the evenest and had gained the most pounds in the first period of the incomplete experiment.

It seemed clear that APF is very important in newly weaned pigs. And that 5 per cent of animal protein in the ration will not fill the APF requirements. Damon Catron, of Iowa State College, said APF, added to an all-plant ration, had increased gains 21 per cent.

How Much APF?

The Iowa experiments indicated that 5 per cent tankage in the ration plus 0.25 per cent of manufactured APF would produce even bunches of pigs with gains above 1½ pounds per day.

It was also indicated that 5 per cent tankage alone, or 0.25 of manufactured APF alone, was insufficient for maximum growth. But the experiment was not set up to show the exact level at which natural APF in meat products by

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BARNEY WILLIS AND PRIZE SADDLE
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CHAMPION A-FOOT OR A-HORSE—that's rodeo star Barney Willis! He's a co-holder of Pacific Coast 50 yd. Indoor Sprinting Record. Set it in college days. NOW he's won IRA World's Championship for bulldogging!

* * *

Boyhood on Oregon ranch developed Barney's riding skill. But in college he studied Fine Arts. Couldn't forget horses though, so in 1941 set aside painting to become rodeo rider. Mighty rugged work, bulldogging! Barney needs his Wheaties! Gets 'em, three or four mornings a week. Likes those nourishing whole wheat flakes with fruit and cream. Famous training dish!

GRANDMOTHER RODE TOO

Whole family's hobby: horses. Even his grandmother loved to ride! At 88, she still cheers Barney's riding. Still eats *Wheaties*, too. Willis family is another of *many* 4-generation Wheaties families all over the country.

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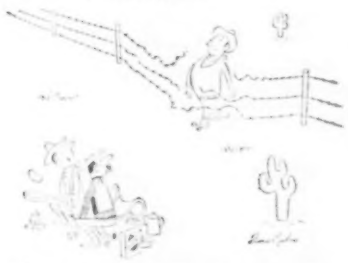


"Here comes old Tex from Bar X. Must've had *his* Wheaties *already*."

"Wheaties" and "Breakfast of Champions" are registered trade marks of **General Mills.**

PHOTO BY LUCILLE STEWART

Pipe imbedded in a stone post, plus iron rod that slips into pipe, makes good gate-latch on C. P. Morton farm, Henry county, Iowa.

itself, or manufactured APF by itself should be fed for best gains.

Do Others Agree?

At the Purdue experiment station (Indiana), APF-fed pigs were 44 pounds heavier than pigs on an all-plant protein ration, in a 105-day test.

At the Minnesota station, E. M. Ferrin and A. M. Anderson report on experiments with B-12, which is the name they prefer to use for APF. The experiment is not yet concluded, but this is reported:

Vitamin B-12 increased gains in every case when it was added to an all-plant ration. (An all-plant ration is one where the protein is provided by oil meals and alfalfa meal.)

But in the Minnesota experiment, fish meals and tankage seemed to do just as well or better than Vitamin B-12. In fact, the best gains were made when the protein part of the ration was one-fourth tankage.

APF In Grass?

Cattle and sheep can make APF in their own rumens. But hogs and poultry are thought to be unable to produce the growth factor in their own bodies.

J. L. Krider, of the Illinois experiment station, suggests that: "The extent to which the pig can synthetize Vitamin B-12, and to what extent practical rations might be deficient in it remain to be studied."

The Iowa experiment indicates that pigs on grass need APF about as much as do pigs in dry lot. The 1949 experiments included dry-lot and grass-fed pigs.

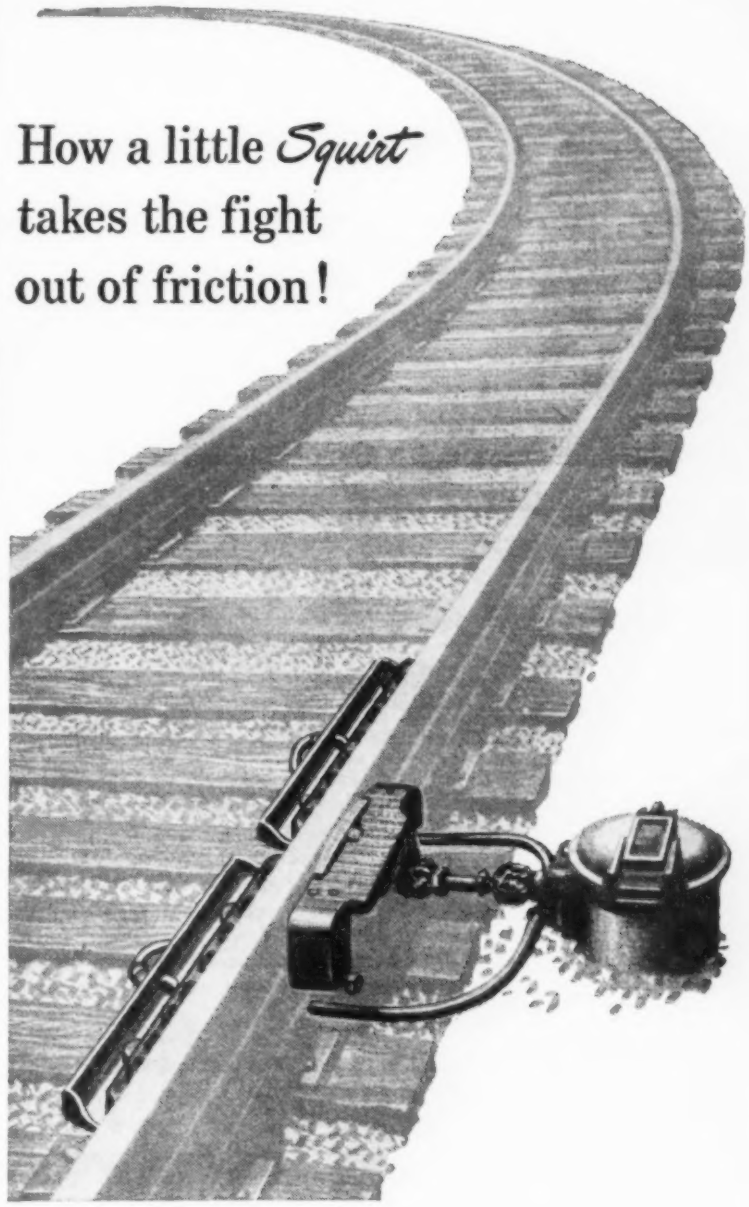
Meaning To Hog Men?

There are some new things proved by these experiments, altho a great deal of what was proved was already known.

For example, it has long been known that oil meals and alfalfa meal as a sole source of protein for hogs were insufficient.

What is new is that a manufactured product, APF, added to plant protein products, can apparently make it possible to replace all or part of the animal proteins with plant proteins.

The proof isn't complete enough yet, however, to justify any one in going to all-plant rations plus manufactured APF for the fall pigs this winter. Keep some animal products in your mixed protein supplement until further experiments prove that you don't need them.



Pulling a train around a curve takes extra locomotive power due to the friction of the wheels against the rails.

But another, and more serious, effect of this friction was the way steel wheel flanges *ground off* the rail head, making it necessary to replace the rail on sharp curves every few years.

So railroad research engineers developed an ingenious "flange-lubricator" which is installed on curves. As the train approaches the curve, the car wheels come in contact with a tripper bar which automatically squirts a measured amount of lubricant against the flanges. Friction is reduced to a minimum...the locomotive load is lessened...and the outside rails on curves wear two or three times longer.

Finding new ways to make *every* detail of railroad operation more efficient calls for continuous research on hundreds of projects. It's typical of how American railroads are constantly on the alert to cut the cost and to improve the service of the nation's most economical transportation system.

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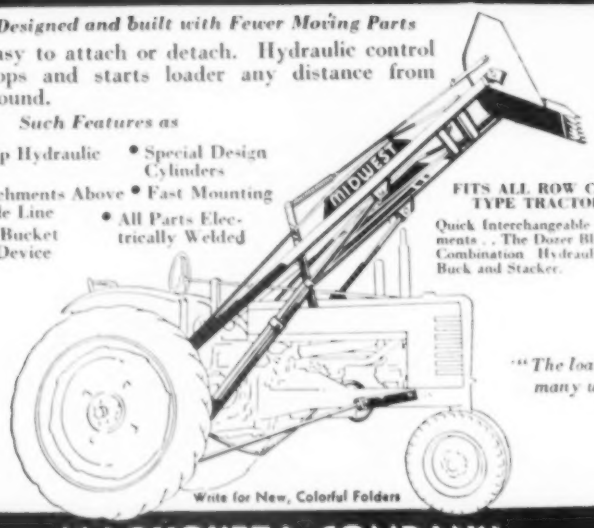

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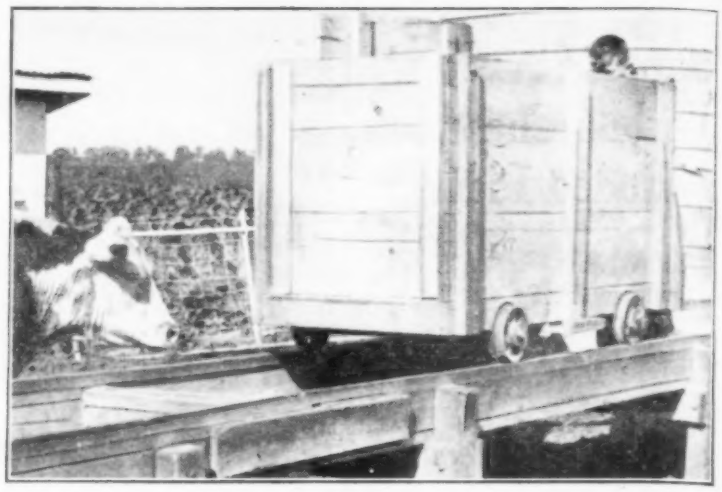

Handy silage cart is used by Oran Hayes, Louisa county, Iowa, to ease feeding chores. It runs along top of bunk, which forms track. A slide in bottom of cart lets the silage string along the bunk.

They Want Clean Milk--Or Else!

Could You Milk Cows In Wisconsin Under Rules Of Their Dairy Quality Program?

IN WISCONSIN, some 165,000 dairy farmers are going to try something new in a state-wide dairy quality program. Some farmers will have to make changes to come up to program standards.

But if Iowa had a similar program, probably most Iowa dairy farmers would have to make even more changes.

How would you stack up if you had to operate under the Wisconsin program? Would your farm pass inspection as it is? Would you make the required changes? Or would you quit milking?

Anyway, here is how the Wisconsin program is set up:

State regulations will tell farmers exactly what standards they and their farms must meet if they sell milk or cream. These are not general statements. They are specific, detailed rules which farmers have to follow if they want to stay in the dairy business.

Farmers themselves helped draw up the standards. Before the state department of agriculture issued the rules, they were discussed at public hearings thruout the state.

Purpose of the new regulations was to make sure that all dairy products originating in Wisconsin met certain purity standards.

The majority of Wisconsin's dairy production already meets the standards given below. Soon, the whole state can boast that all Wisconsin milk, cheese and butter is produced under sanitary conditions.

There are 18 specific rules that apply to farmers. Here are some of the more important ones:

Barn must have floors and gutters of concrete or other leak-proof material. Walls and ceilings must be clean and in good repair. They must be whitewashed or painted to keep them in sanitary condition. Barn must have sufficient light and ventilation.

No pigs, sheep, goats or fowls are permitted in the milking stable. Manure must be taken daily from the milking stable and put where cows can't get at it.

Milk utensils must be made of smooth material. They must be either seamless or soldered flush, so they can be cleaned easily. No galvanized or enamel-ware utensils may be used in handling milk or cream.

Milking equipment must be rinsed with clean water after using. Then cleaned with a brush, hot water, and dairy cleaning solution. Then rinsed with hot water and put on a sanitary rack.

Just before using for the next milking, the equipment must be rinsed again with clean water containing a sanitizing agent.

Milk shall be cooled immediately after milking unless it arrives at the plant within two hours. Cooling tanks may not be used for stock watering.

Every producer must have and maintain a milk house by November 15, 1952. It must be properly located, equipped with at least a cooling tank and proper space for utensils and equipment.

The new regulations have teeth in them, too. Milk plants have to refuse your milk if any of the following things happen:

If your milk has been undergrade for four weeks in a row.

If you have a No. 3 sediment pad for six days in a row.

If milk has been rejected for four days in a row.

If the farmer refuses to correct unsanitary conditions noted by two consecutive inspection reports.

If the farmer refuses to have his premises inspected.

But Wisconsin's new pure milk program doesn't put all the burden on farmers. By November 15, 1950, all milk going to plants must be hauled in closed trucks. Most goes that way now. But before the end of next year, all milk will go in closed trucks.

Milk plants come in for their share of responsibility. Methylene blue and sediment tests have been classified so that all plants will be grading milk and cream alike.

Plants also are responsible for keeping your quality records. They must also keep a monthly summary of all tests made.

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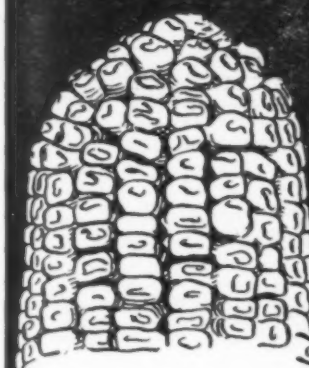

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OUTSIDE STUFF

WELL, I had a nice vacation. But I didn't pick up many items for this column. I saw a lot of good corn, and thousands of good cattle.

• • •

I WAS amazed at the kind of corn I saw in South Dakota and Nebraska. Even in the dry-farming sections, a lot of it had ears. Of course, the irrigated corn in Colorado was pretty fancy.

• • •

I GOT more kick out of seeing antelope in Wyoming and the elk, mountain sheep, deer and buffalo in the Black Hills, tho. Aldine got a bang out of the prairie-dog villages, too.

• • •

THE idea I'd most approve of bringing back to Iowa, however, concerns breakfasts. George Heikens, in Clay county, Iowa, would have enjoyed my breakfasts, too.

• • •

BOTH of us are firm believers in the fact that this country was made great on a breakfast that included fried potatoes. I like the western idea of serving an order of fried potatoes with your meat and eggs. You don't ask for the spuds. They come with bacon and eggs, just like toast and coffee.

• • •

YOU take your vitamin pills, and I'll take the chow that helped build the railroads and cut the timber.

• • •

ONE farmer told me he thinks he'll send to Maine or the Ozarks for some rock-pickers. Then he'll rent the machines to his neighbors to pick up fallen ears of corn this fall.

• • •

AS I wrote a lot of corn borer stories last spring, I did get pretty worried about the potential for corn borer damage. But I really didn't think we'd have quite so much corn on the ground.

• • •

WE DO need a system to tell more accurately just exactly when and how often to spray for borer control. Too many farmers sprayed with poor results. Yet they say they followed the standard advice and sprayed at 37 inches in height. Maybe Tiny Gunderson, Doc Harris and their colleagues can come up with a fool-proof system for next year.—W. D. Inman.

"Just as I thought—this melon ain't ripe!"

do you want CLEAN MILK?

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Watch it work in your own barn, on your own herd. You owe it to your milk profits to see an actual demonstration of this new SWING Milker. No obligation. Just send a post card to Rite-Way for complete information. We'll arrange a trial milking at your convenience.

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Yes, we at Rilco do half of your barn-building work for you by making glued-laminated wood rafters that are pre-engineered and pre-fabricated for your barn—all ready to put up.

You don't waste costly man-hours measuring, sawing, fitting and nailing. Nearly half your barn building work is already done for you. Think of the time and construction money you can save. Rilco Rafters are glued-laminated framing members bonded with modern structural glues into continuous structural units without a joint from foundation to ridge. Consider the advantages of Rilco construction in building time, in strength, in permanent value before you build your barn. And remember that Rilco Rafters will help you with your other farm buildings too. For there are Rilco Rafters for every type of farm building. Insist on genuine Rilco Rafters.

RILCO WORKS WONDERS WITH WOOD

Laminated PRODUCTS, INC.

Eastern Division: Wilkes-Barre, Pa.

RILCO LAMINATED PRODUCTS, INC.

2581 First National Bank Bldg., St. Paul 1, Minn.

Please send me information on Rilco Farm Buildings. I am interested in ☐ Machine Sheds ☐ Barns ☐ Poultry Houses ☐ Hog Houses ☐ Corn Crib and Granaries ☐ _____

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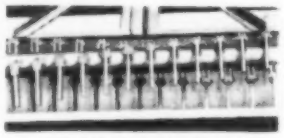
54,000 Ripping, Tearing Hammer Blows a Minute Completely Pulverize Stalks

Knock Out Corn Borers with BENNETT CORN STALK PULVERIZER

Over 1,000,000 powerful blows a mile by 54 case-hardened, 4-edge, spiral mounted hammers completely pulverize stalks so they are easily covered with your plow. Controls corn borers and other pests. Enriches the soil. Does a thorough job on heavy hybrid stalks, bean hay, stubble brush, and all other pulverizing jobs. Use with rows or across rows.

FLOATING CARRIAGE

Frame floated on heavy coil springs absorbs shock . . . adjusts automatically to uneven contours of ground . . . eliminates vibration. 2-inch hammers, mounted on 1-inch case-hardened bushings, are reversible for longer wear, easily replaced. Cylinder carried on pre-sealed, permanently lubricated self aligning heavy duty bearings. Case hardened, heat-treated gears, running in oil on roller bearings. Chain drive. Machine completely shielded to protect operator. Full lever adjusted from tractor seat. Thoroughly field tested. 2 plow tractor pulls it.



Underside sectional view of part of cylinder and hammers.

Heavy-Duty Wagon Running Gear

Replace your worn-out running gear with the improved Bennett. Actually sells for price of Lightweight on direct-to-you basis. Complete except for box and tires. WRITE for Details and Low Price.

WRITE for complete information and low prices.

BENNETT & SON, Inc., LENOX, IOWA

Also manufacturers of John Deere A3th and 6th speeds, regular 7-20—7-30 Road Gear and Starter, 1Ton Transports, G30 Road Gears, A-C Pulley Shift, Morbain Master Unloader, etc.

McCulloch POWER SAW

Makes quick work of BUCKING . . . FELLING . . . LIMBING

- Superhot spark for quick starting
- Rip-Cross chain never needs setting
- Specially designed 5-hp engine

Light and handy enough to be easily carried in where the woods are thickest. Instantly detachable handle . . . one or two man operation . . . automatic clutch . . . chain stops when idling . . . rewind starter . . . full swivel blade . . . are a few of the many features.

Write for circular

Now . . . at these low prices:

20" Chain Saw	$389.00
30" Chain Saw	399.00
40" Chain Saw	409.00
50" Chain Saw	419.00
60" Chain Saw	429.00
20" Bow Saw	429.00

Prices F.O.B. St. Paul

POWER TOOLS, Inc. 1959 University Avenue, St. Paul 4, Minn.

3 NEW FEATURES FOR THE G.P.&F. Cream City HOODED DAIRY PAIL

1. New, heavy, round, welded handles . . . easy to carry . . . sanitary . . . no dirt traps.
2. Increased curvature at inside bottom of pail . . . easier to clean . . . no place for milkstone or bacteria to collect.
3. A heavy second bottom is welded on over the original bottom . . . plenty of durability . . . *plus* a smooth surface that really cleans easily.

● Add these new features to all its other advantages, and you have the last word in convenient, sanitary, seamless solderless dairy pails.

See it at your dealer or milk plant.

Also see G. P.&F. Open Top Dairy Pails; Seamless Solderless Milk Cans; and Sky-Test Filtering Strainers.

G.P.&F. GEUDER, PAESCHKE & FREY CO.
Milwaukee 1, Wisconsin

Social Security payments in old age for farmers sounds like a good idea to G. L. Lounsbury, Story county, Iowa, farmer.

OLD-AGE PAY?

WALLACE-HOMESTEAD POLL ASKED:

"Have you ever heard or read about a bill to let farmers like yourself, as well as city people, pay for and receive federal old-age insurance (Social Security payments that start at age 65)?"

1. Yes, Have heard.....59%
2. No, Haven't heard.....41%

"If 'Yes,' from what you've heard so far, do you think it would be a good idea or a bad idea to have farmers pay for and receive federal old-age insurance?"

1. Good idea 46%
2. Bad idea 17%
3. Undecided 37%

Federal Pensions When You're 65

Farmers Haven't Heard Much About Social Security; What They've Heard, They Like

SHOULD the Social Security act (now covering most city workers) be extended to farmers? Congressmen are asking the question.

So the Wallace-Homestead Poll interviewed several hundred farm people, a cross-section of Iowa farm voters, to get their views.

The first fact discovered was that only 59 per cent of Iowa farm people had ever heard about federal old-age payments.

Older farmers were better informed than younger ones. More Democrats than Republicans had heard of Social Security.

When those who had heard about Social Security were asked whether it seemed a good or a bad idea, older farmers showed the greatest approval.

Here is the way Republicans and Democrats divided:

	Rep.	Dem.
1. Good idea	45%	48%
2. Bad idea	19%	16%
3. Undecided	36%	36%

What does Social Security for farmers add up to, so far as old-age payments are concerned?

If farmers are brought in under the proposed law, a farmer who pays a federal income tax on $3,600 a year would pay 2¼ per cent into the old-age fund, or $81 a year.

What would he get out of it? If he started paying at 60 and quit work at 65, he would get a payment—under the proposed law—of around $40 a month. If his wife was 60 or more, the two would get $60 a month.

Plainly, the government would lose money on these older folks. They'd take out more than they put in.

Younger farmers might pay at the rate of 2¼ per cent a year, wind up—after 30 years of paying—with $70 to $90 a month for themselves and $35 to $45 more for their wives.

Actually, nobody now knows what the new rates will be. If the rates are kept where they are now, with the only change to bring the farmers in, a 60-year-old farmer with an income of $3,600 would pay 1½ per cent, or $54 a year, and would get back, after five years, around $45 a month for self and wife.

Here are some comments by farm people on the questions involved:

"It ought to be good enough for us if it's good for the city folks."—Union County.

"Would rather put money in an insurance policy. Then you are surer of getting it back." — Tama county.

"I think farmers should have enough to live on without old-age payments."—Cherokee County.

"I don't see why farmers should not get federal old-age payments just as much as any other group."—Allamakee County.

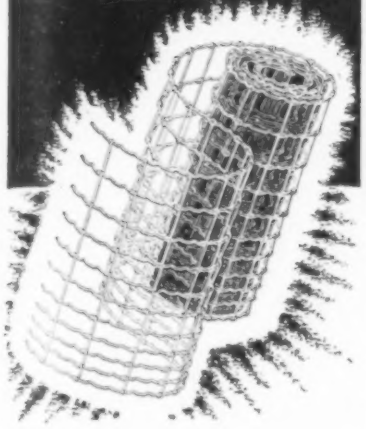
"Don't any of us have backbone enough to take care of ourselves in later years?"—Jones county.

"Everyone over 65 should get it whether he needs it or not. If you pay in, they should pay out."—Tama County.

"Give the farmer a chance at federal old-age insurance while he is able to pay for it. Many a farmer loses all he has in hard times. Then, when he's old, he has nothing to live on."—Buchanan County.

Many farm women, like Mrs. Jesse Stier, of Marshall county, Iowa, liked idea of federal old-age payments for farmers.

Outlasts ordinary fence 3 to 4 times!



MID-STATES "GALVANNEALED" COPPER-BEARING FENCE

Test after test proves Mid-States "Galvannealing" process builds years of extra life into farm fence.

This patented heat treatment not only adds a protective coating—but *actually fuses a thick covering of zinc right into the copper-bearing wire, making an alloy of the two metals.*

Far better than merely coating the wire, "Galvannealing" eliminates danger of chipping off . . . provides far greater resistance to rust, oxidation and corrosion. It stands up to all kinds of weather . . . requires fewer stretchings . . . greatly reduces maintenance costs.

One look at Mid-States "Galvannealed" shows you why ordinary galvanized fence is never a bargain.

Next time you need fence, specify Mid-States "Galvannealed"—the fence that lasts years longer, but actually costs less.

Mid-States Products are sold only through our dealers. No direct orders accepted.

FREE: 32-PAGE FARM ACCOUNT BOOK. You'll find it without equal for keeping your important food production records. Also contains many helpful hints for fence maintenance. Just send your name and address on a penny postcard to:

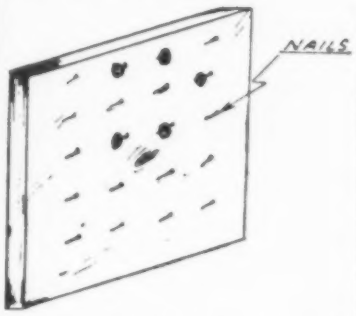
MID-STATES STEEL & WIRE COMPANY
310 Oak Street • Crawfordsville, Indiana

MID-STATES Fence

Barbed Wire • Steel Posts • Steel Trussed Gates • Blue Ribbon Bale Ties and other steel products for the farm

HANDI-HINTS

Hanger For Nuts And Washers



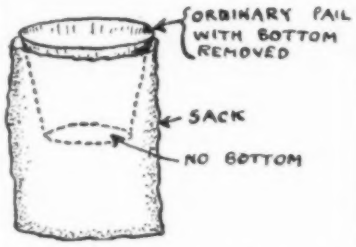
Here is a handy hanger or rack for nuts, washers and small gaskets. Take a board of the size you need, mark it off into squares, and drive in nails just far enough so they will hold. For small burrs and washers, use finishing nails. Nail or hang the board on your shop wall.

Keep Sparrows Out Of Hay Carrier

Here is how to avoid the usual June chore of cleaning bird's nests out of your hay carrier.

Put an old sack on top of the carrier, between it and the track. Tie it down to the carrier with twine or wire. Next June, remove the sack. The carrier will be free, and won't have to be cleaned out.

Here's A Handy Bag-Filler



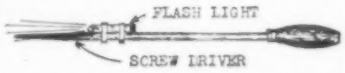
Holding the sack while another man does the filling isn't an easy job. But even a young lad can hold the bag if he has this help.

Cut the bottom out of an appropriate size bucket. Held as in the drawing, it makes work easier.

If There's No Room To Swing

Every once in a while, a farmer has to use a pick in tight quarters where there isn't room to take a healthy swing. Then remove the pick head and slip it into a pipe, as the sketch shows. You'll be able to get into almost any corner.

For Repair Work At Night



A small flashlight and a couple of rubber bands will help you find the head of a screw when you have to work at night. Fasten to the shaft of screwdriver as shown.

GOOD CONDITION MEANS THRIFTY GROWTH!

● Hog raisers claim they can tell a thrifty, healthy pig by the curl in his tail! You can keep your pigs that way by feeding Peebles' Pigrow with Ribolac*—the new whey solids supplement containing guaranteed available amount of Vitamins A, D, Niacin and Riboflavin.

This nourishing whey solids supplement is a great feed for growing pigs. It contains milk nutrients and vitamins they need for good health and growth. There's Vitamin D to protect them from Rickets, Niacin to guard against Necro, Riboflavin and Vitamin A to assure an adequate supply of these essential vitamins.

You get additional growth factors present in natural milk sources. These "plus" factors are supplemented by the addition of Ribolac, exclusive Peebles' whey fermentation product.

Peebles Pigrow produces cheaper, faster gains on *less feed* because your ration's more completely balanced. Pigrow, SELF FED . . . *Saves Feed—Saves Labor—Saves Money.* Get it from your dealer today. Write for free literature.

Peebles' Condensed WHEY-PRODUCT with Ribolac*

For more meat and eggs . . . *at less cost* . . . feed Peebles' *Condensed* Whey-Product with Ribolac FREE CHOICE to your chickens and turkeys.

WESTERN CONDENSING COMPANY
Appleton, Wisconsin — *America's Largest Processor of Whey Products* — San Francisco, California

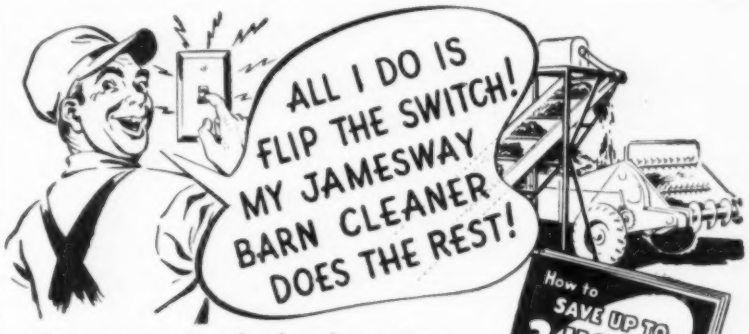
*Ribolac, exclusive Western Condensing Company whey fermentation product—added to provide a guaranteed level of Riboflavin—plus other B-Complex vitamins as well as additional growth factors (both known and unknown) present in natural milk sources.

50 and 100-lb. drums, easy to cut in half, for FREE-CHOICE feeding. *Pigrow* packed in 50-lb. bags.

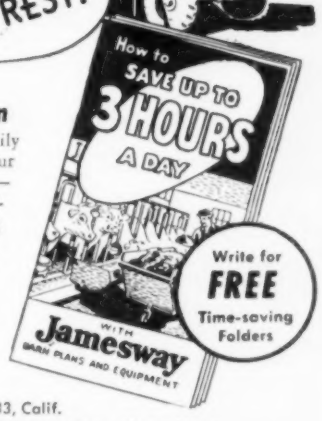
Peebles' Condensed WHEY-PRODUCT with Ribolac*

Peebles' Pigrow with Ribolac*

food from the farm—returned to the farm



New, sensational, shuttle-action once-a-day barn cleaner frees dairymen of daily drudgery. Just flip the switch—it cleans your barn *cleaner.* Easy to install. Fits any gutter—any barn. No *indoor* pits or cross gutters to collect filth. Eliminates dirt-catching stable drag lines . . . endless chains . . . idlers . . . gear boxes. Saves valuable stall space. See your Jamesway dealer. Write for free folders. Learn how you can cut dairy, hog and poultry chores—save up to 3 hours a day, *every day of the year.*



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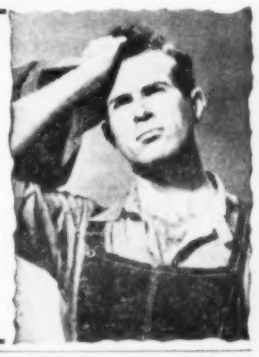
Elmira, New York — Los Angeles 33, Calif.
World's Largest Maker of TIME-SAVING EQUIPMENT for Cows, Hens, Hogs.

"FARM ACCIDENTS HAPPEN 3 TIMES OFTENER"

PROTECT YOUR LIABILITY TO HIRED MEN, TO VISITORS, TO THE PUBLIC with FARM LIABILITY INSURANCE. SEE YOUR ALLIED MUTUAL AGENT.

ALLIED MUTUAL CASUALTY COMPANY
Hubbell Bldg. Des Moines, Iowa



BUY U. S. SAVINGS BONDS—THEY ARE PROTECTION FOR LATER YEARS—BUY SOME TODAY!

Homemaking Department

Edited by ZOE MURPHY

Mrs. Edgar Barth, of Winneshiek county, like the majority of farm women in Iowa, plans to be away from home only one afternoon or one evening a week.

Mrs. Willis Fairbanks, of Linn county, Iowa, says that she generally plans to be away two afternoons or two evenings a week, attending clubs or organizations.

Farm Women Stay At Home

DO YOU belong to too many clubs or organizations? Is it hard for you to have a free afternoon or evening to spend at home?

Mrs. Elizabeth C. Wherry, who writes "Country Air," tells me that a great many of the women she knows say that they belong to too many organizations.

I've always argued that some farm women belong to too many organizations, but the majority of those I know spend most of their afternoons and evenings at home.

To settle our argument, we decided to ask the women themselves. So, thru a Wallace-Homestead Poll, we asked hundreds of Iowa farm women these questions:

1. How many afternoons or evenings do you spend away from home each week, attending meetings or organizations?

2. Do you feel that you belong to too many organizations?

3. Do you feel that you should belong to more?

4 Do you feel that your community is over-organized?

Because the answers to these questions turned out more or less my way, I'll let Mrs. Wherry have the last word thru "Country Air," to get even.

We found that many farm women do carry a heavy load of organizations in every community—that wasn't particularly surprising.

But it was a little surprising to learn that 28 per cent of the women of all ages didn't plan to have any special time off each week.

The majority of the women—52 per cent—said that they planned to be away from home only one afternoon or one evening a week.

When we talked to the younger women—those in their twenties—we found that 25 per cent of them said that they did not have any planned time away from home.

This doesn't mean that 25 per cent of the younger women never get away from home. It simply means that they go when they can get someone to stay with the children or when the husband can get someone to do the chores.

However, there were 59 per cent of the younger women who said that they did plan for one afternoon or one evening a week away from home.

The women made a number of interesting comments when we asked them these questions. For instance, a woman from Greene county said:

"There are too few women on the farm who are willing to accept responsibility, and so a few have to take part in too many community affairs."

A young farm wife in Kossuth county said: "I just don't see how I could keep up if I belonged to even one more organization."

Another woman in O'Brien county said: "People don't get together enough; we don't even know our neighbors."

One nice thing about belonging to clubs or organizations—it's entirely voluntary. If you don't want to belong to a club, you don't have to. There were many of the women who felt that they belonged to too many clubs, who indicated that they intended to resign.

We found out when we asked the farm women interviewed if they felt that they belonged to too many organizations, only 10 per cent said "Yes"; 86 per cent said "No." The rest said they weren't sure.

When it came to the community being over-organized, 10 per cent felt that there were too many clubs; 36 per cent felt that they were under-organized, and 53 per cent said they weren't sure.

A farm woman in Tama county said: "Sure our community is over-organized. It steals away from our home life." Then she added: "However, you always learn something from people, and you lose a lot if you stay away from them."

PRIZE Cinnamon Rolls and PRIZED Coffee Flavor!

MRS. T. M. LEE, Box 399, Watertown, Minn. Her mouth-watering Cinnamon Rolls won First Prize at the 1948 Minnesota State Fair . . . and she likes to serve them with Mountain Grown Folger's Coffee, because its *special* flavor makes her rolls taste even more delicious.

CINNAMON ROLL RECIPE (32 rolls)

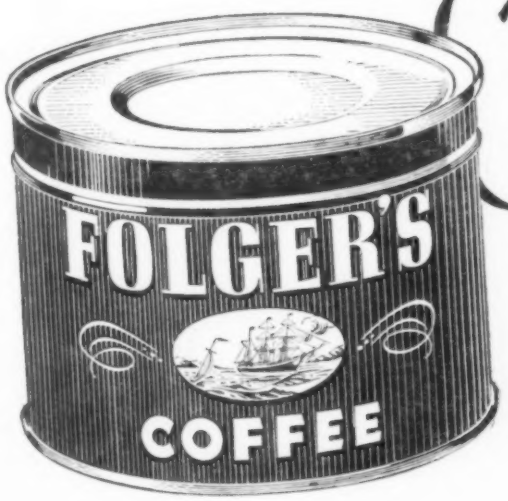
¼ cup lukewarm water (dissolve)
2 cakes compressed yeast
1 cup scalded milk
⅓ cup shortening
⅔ cup sugar
1 tsp. salt

Blend well and cool to lukewarm . . . then add—
2 cups sifted flour
3 well-beaten eggs
Yeast & water mixture (above)

Beat well, add 4 cups sifted flour (do not use mixer). Blend flour well, knead slightly until smooth on floured board. Place shaped smooth dough in large greased bowl. Cover with towel, let rise in warm place until over double in bulk. Divide dough into two equal parts, then knead slightly, roll in rectangular shape about ¼ inch thick. Spread with melted butter, sprinkle with sugar and cinnamon. Roll up like jelly roll, cut with scissors into 16 equal parts. Place cut side down on large greased cookie sheet making 4 rows of 4 rolls each. Cover with towel, let rise until over double in bulk. Bake at 375° until light golden brown. Cool and ice with butter icing.

Butter Icing
1 lb. powdered sugar Pinch salt
Lump of butter size of large egg (dissolved in little hot water).
Mix well, add enough hot water and a little cream to make right consistency to spread easily. Add ½ tsp. vanilla.

FLAVOR SO RICH YOU ARE URGED TO *TRY USING ¼ LESS* THAN WITH LESSER FLAVORED BRANDS



A Coffee Flavor With Unmatched Vigor and Richness

It's the *prized* coffee flavor . . . because Folger's is a blend of special Mountain Grown coffees from the tropical Americas where Nature gives coffee the most sought-after flavor qualities.

And for nearly 100 years, Folger has been carefully selecting and artfully blending these rare coffees to create the prized Folger Flavor.

Try it . . . and you'll discover no other coffee gives the deep satisfying pleasure you get from Mountain Grown Folger's Coffee.

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FOLGER'S COFFEE

THERE'S A MOUNTAIN OF FLAVOR IN EVERY SPOONFUL!

Get Started On Christmas Gifts

No. 5746—A crocheted sacque that "gives" as the baby grows. Can be worn almost all of the first year. Easily crocheted. Made in one piece and trimmed with ribbons.

No. R-2839—Only a yard of material needed for this apron. Inexpensive and easy to make. Waist-line darts provide a perfect fit. Gay rick-rack makes it a flattering charmer.

No. R-2850—Small-fry look like a "bit of heaven" in this frock. Honey-comb smocking worked in any color. Instructions for "mock" smocking—same effect, less work.

No. R-2872—Saucy 12-inch pixie doll that will capture any little girl's heart. Make the soft, cuddly body and dress from scraps, and embroider the impish expression.

No. 5006—Guest towels, lingerie, stocking and handkerchief cases are particularly handsome when set off by these lovely floral motifs. Pink carnations, delicate lilies-of-the-valley, bleeding-heart, forget-me-nots, delightful mignonette and a full-blown rose are embroidered in simple stitches and enchanting colors.

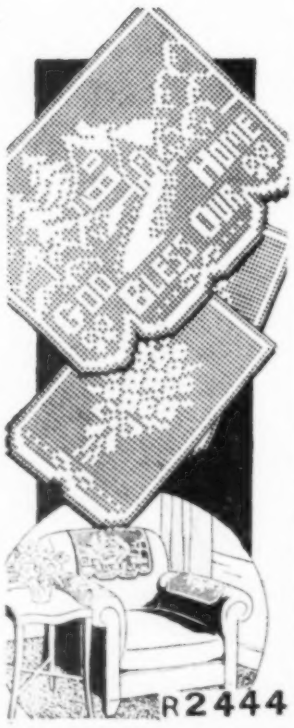
No. 5642—A treat for your family if you've never made Christmas tree ornaments from crepe paper, felt, odds and ends of wool, and sequins. Loads of fun for children and adults alike, and most of these decorations will last from season to season.

No. 5710—Fluffy scuffs are luscious for wearing and make lovely gifts. Crocheted in delicate or practical colors, they are dainty and durable.

No. 5434—Barnyard pot-holder trio will brighten up any kitchen, as well as protect your hands. May be made from a few scraps of left-overs and cunning expression embroidered in simple stitchery.

No. R-2444—Beautiful filet chair set that will give upholstered chairs new charm and protection. Easy to make by using a simple-to-follow chart.

No. 5922—Sleeveless slip-on will be welcomed by that certain man in your life. Works up quickly and easily, and, altho it is crocheted, it gives the appearance of being knitted. Sizes 38, 40 and 42 included.



Designs are 20c each, in coin or stamps—coin preferred. New Fall and Winter FASHION Book is 25c. Full of information. Order from Pattern Department of Wallaces' Farmer and Iowa Homestead, Des Moines. CAUTION—Always give your name and address.

When Company Comes Unthaw The Meal

Iowa Farm Woman Packs Complete Meals In Her Freezer, Ready To Thaw Out In A Hurry

UNEXPECTED company coming? Well, dip into the home freezer and thaw out supper.

Mrs. Richard Strother, of Story county, Iowa, thought there ought to be an easier way to meet these emergency meals than throwing her household plans completely out of gear.

She had put in a good many agonizing moments milling thru the ice-solid bundles, cartons and packages in her freezer before locating all the foods necessary for these suddenly planned meals.

Now Mrs. Strother doesn't have to dig here and tug there. She plans emergency meals in advance and packs them in one spot in the freezer. If an occasion calls for extra special food—poof! She's all set. Just bring on the appetites.

Mrs. Strother has three basic meals—a company dinner, a meal for extra men, and a picnic lunch for the family.

She tries to keep the foods for each meal intact, but occasionally she needs to use out of one menu or the other. In that case, she is careful to replace it within a day or two.

For a company supper, Mrs. Strother plans to serve meat loaf, scalloped potatoes, green peas, nut bread, a salad, and chiffon ice cream loaf.

Of course, the usual butter, jam, relishes and beverages are served with each of the frozen meals, but not frozen in advance.

Mrs. Strother bakes her favorite meat loaf—any recipe will do. She lets it cool, shaves off the excess fat, wraps it in aluminum foil, and it's ready for the freezer.

Potatoes are scalloped in a glass baking dish, and then heavy foil is pressed over the top in the manner of a pie crust.

Peas are a natural. She always has some on hand to keep with the emergency meal. Also, peas are colorful and almost universally liked.

With her chiffon ice cream loaf, Mrs. Strother has made quite a name for herself locally. The colorful dessert is unique but simple to prepare.

She bakes a plain chiffon cake and a chocolate chiffon cake, each in a 9x13-inch baking pan. When cool and removed from the pans, she trims the crusts from the ends (not the sides) of the cakes.

Each cake is cut in thirds, then placed on edge and sliced into three layers. She shuffles the layers so that she has alternate dark and light centered loaves. She tears six sheets of waxed paper into 24-inch strips and places them on top of each other.

The top layer of cake is laid on the waxed paper, cut-side up. It is spread with maple-nut, strawberry or cherry ice cream.

On top of the ice cream, she places the middle layer of cake, on which is spread lime or orange sherbet. The layer of ice cream is about one-half to three-fourths of an inch thick. On top of the sherbet, the bottom layer of cake, cut-side down, is pressed into place.

The reason for placing the cut-side into the ice cream, she explains, is so that the ice cream will soak in and act as a sort of glueing agent. The crusty side out also gives more body to the loaf.

As soon as each loaf is finished, it is wrapped in waxed paper and popped into the freezer

As for extra men: "Give 'em what you know they'll eat a lot of," she says. So they get chicken, mashed potatoes, lima beans, scalloped corn, hot rolls, apple pie and ice cream. Then there are the extras and maybe cabbage and carrot slaw.

She keeps a couple of dressed chickens in a plastic sack with the "extra men" meal. These can be rolled in flour or corn flakes, browned in a skillet and placed in a pressure saucepan to finish the process of thawing and cooking.

It was once when the family wanted to go on a picnic just after church, and there was nothing picnic-worthy at home, that Mrs. Strother got the picnic-freeze idea.

When she has left-over meat, she makes a salad sandwich filling, fixes sandwiches and freezes them in sealed waxed-paper packages. The picnic menu includes both meat salad and cheese sandwiches—the family favorites.

Before leaving for church, Mrs. Strother sets a pan of baked beans out of the freezer, as well as a package of raspberries or strawberries. After church, a basket is packed with sandwiches, baked beans, an ever-present bag of potato chips and a ring mold of frozen cottage pudding, which does for the cake in a shortcake. Then, of course, there's a thermos jug each of coffee and milk.

No, Mrs. Strother really hasn't worried much about emergency meals since she and her freezer got smart.—J. W.

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SLICER

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Dozens of Uses!

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We make you this wonderful offer because we want you to see how super-fine OCCIDENT FAMILY FLOUR improves *all* your baking—bread, rolls, pies and cakes alike! OCCIDENT is milled with special care to make it especially *fine, light* and *satin-smooth*. Result: You get light, tender baking results—every time. Start today using OCCIDENT FAMILY FLOUR—and send in for your Fork-Tipped Slicer right away!

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Occident Flour, Box 99, Little Valley, N. Y.
Please send me _____ Cattaraugus Fork-Tipped Slicers. I enclose one Occident Family Flour trademark (or sales slip) and 60c (do not send stamps) for each slicer.
(PLEASE PRINT PLAINLY)

Name_____ Street or R.F.D._____
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SAVE PRECIOUS KITCHEN TIME WITH RED STAR Special Active DRY YEAST

Red Star is the yeast for busy housewives—it's faster. It keeps without refrigeration. Buy a month's supply, and store it on the shelf with other baking ingredients.

30 MINUTE ROLLS

2 packages Red Star Special Active Dry Yeast
1½ cups warm water (105° to 110° F.)
¼ cup sugar
1½ teaspoons salt
1 egg
3 cups sifted all purpose flour
2 tablespoons shortening, melted and cooled to lukewarm

Step 1: Dissolve yeast in warm water (105° to 110° F.) in large mixing bowl. **Step 2:** Add sugar, salt, and unbeaten egg. Add flour gradually. Beat well with electric mixer on low or medium speed, or by hand with large wooden spoon. Add shortening, beating until thoroughly mixed. **Step 3:** Spoon dough into well greased muffin pans, filling about one-third full. **Step 4:** Let rise in warm place (90° to 95° F.) until dough has risen level with top of muffin pans (about 25 to 30 minutes). **Step 5:** Bake in moderately hot oven (375° to 400° F.) 20 min. **Step 6:** Remove from pans and serve warm. Yields 18 to 24 rolls.

Hi-lex saves time and means more milk money

Says Dakota Dairyman

"I'm sure glad I switched to Hi-lex, the effective liquid dairy disinfectant," says Vincent Price who runs a 320 acre farm near Sioux Falls, S. D. "Hi-lex is so quick to use ... it mixes itself. Best of all, I like the way Hi-lex has helped to lower my bacteria count—that means more profits."

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No. 1910 — Dainty little party or kindergarten frock for the younger girls of the family. Sizes 1, 2, 3, 4, 5 and 6 years.

No. 8511—So easy to sew, you'll want to make several of these aprons—with bib for chores, half-apron for hostessing. Sizes 32 to 44.

No. 8510—Smart, new, different—campus or date frock for the young in spirit. Sizes 9, 11, 12, 13, 14, 16, 18 and 20.

Patterns are 25c each, in coin or stamps, coin preferred. The New Fall and Winter FASHION Book is 25c per copy. It is filled with information and contains many useful hints. Send all orders to Pattern Department, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa. CAUTION: Be sure to give name and address every time you write.

Dishes are no chore any more. Helen helps her mother, Mrs. Royal Holz, in the kitchen of their modern home in Greene county, Iowa.

COUNTRY AIR

By ELIZABETH C. WHERRY

NO LANDSCAPES lie so lovingly over middle-western hills as autumn ones. Close-cropped alfalfa fields hug the contours with a farewell riot of green. Tawny corn fields snuggle across the broad valley, holding the last remnants of summer sun in their golden grain.

* * *

Meadows press close to Mother Earth — they've done their duty and are settled back in relaxation. Even the trees tie themselves closer to the earth by repeating their autumn colors in the scattered leaves on the grass.

* * *

After a long season of intimate living, it seems that a summer's crop is loath to leave the land that grew it. Land and harvest lie in a tender embrace of plenty and color.

* * *

The man on the home farm is an ingenious chap, and has forestalled my ambition to own and drive an outfit of dirt-moving machinery. With two old wagon wheels, a cobbled-up box and a sort of lever contraption, he has rigged up a neat little dump wagon.

* * *

With the tractor, the manure loader, and his ingenious dump-cart, he is about to change the course of a fence-eating creek and haul the dirt to the various projects about the farm that always seem to need dirt in the fall.

* * *

His 20-month-old son tags tearfully about in his wake until he relents and takes the boy on his lap on the tractor. No wonder new generations grow up handling our modern machinery with such perfect ease!

* * *

Agricultural architecture (farm buildings to you) change every few decades.

* * *

It seems such a few years ago that tall exclamation-mark silos were the most noticeable feature on farms. Now it is opulent new corn cribs, with lookout towers for the elevators.

I had a wave of nostalgia the other day to see a set of harness still hanging on pegs in the barn.

* * *

My Texas brother had trouble last year naming the machines he saw on the farms. I passed one on a narrow road in Johnson county, Iowa, the other day that I couldn't name. It was closely attached to a tractor, a sickle-bar reared itself at one side, and a number of encircling steel arms wabbled across the back of the contraption.

* * *

If the road hadn't required all my attention for passing, I'd have leaned out and shouted to the man on the tractor: "What's its name, Bud?"

* * *

I recently re-read Barnes' "Years of Grace." I had completely forgotten the story, and only the remembrance of a few passages proved that I'd read it before. One was about memorized bits of verse being like bright toys in a pocket to finger. Another was about a middle-aged woman. "But . . . she was well-groomed, too."

* * *

It's a story of Chicago life, dealing with three generations, and for mothers who have puzzled over the freedom of each new generation this book is an excellent interpretive story. The progression of freedom in just two generations' time is emphasized.

* * *

No matter how hard mothers try, their children are never wholly comprehensible to them.

* * *

Children will never realize the situations they create till they in turn become parents and watch their own children go out into the world.

* * *

The book emphasizes that it is equally impossible for children to understand their parents. They probably do not make the effort that parents do to understand them—parents being the possessive creatures they are.

* * *

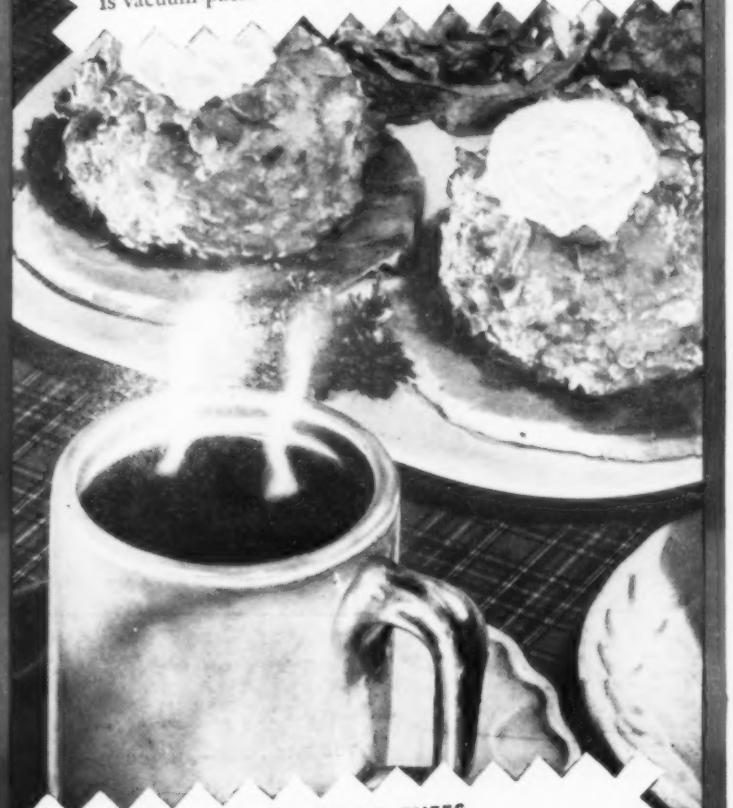
"Years of Grace" is well worth reading, especially if you are a parent of grown children.

Easy and delicious!

sweet potato puffs on ham

and really super **coffee**

Hills Bros. Coffee brings you a special, wonderful goodness you can enjoy every day. Deliciously uniform, it's a skillful blend of the world's finest coffees . . . and "Controlled Roasting," an exclusive Hills Bros. process, roasts the blend *a little at a time*—continuously—for flavor-perfection. Hills Bros. Coffee is vacuum-packed for utmost freshness.



SWEET POTATO PUFFS

3 cups riced cooked or canned sweet potatoes
1 teaspoon salt
2 tbs. butter or margarine, melted
1 egg
1 cup coarsely crushed corn flakes
4 to 6 slices fried ham, pressed ham, or Canadian bacon
½ teaspoon nutmeg
1 tablespoon water
4 to 6 marshmallows

Blend riced potatoes with seasoning and melted butter or margarine. If very stiff, add a little milk. Form into 4 to 6 balls. Beat egg with water. Dip balls first into egg, then into coarsely crushed corn flakes. Place ham slices on baking sheet and on each place potato puff. Bake in moderately hot oven (400° F.) about 10 minutes until slightly browned. Then top each puff with a marshmallow and return to oven for about 3 minutes until marshmallow has melted and browned slightly. Yield: 4 to 6 servings.

Serve with Hills Bros. Coffee

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TWO GRINDS:
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✓ Drip and Glass-Maker Grind

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Best BLUEBERRY PIE

YOU EVER MADE—AND QUICKEST!

RECIPE
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2. BAKE
3. GET READY FOR COMPLIMENTS!

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BLUEBERRY PIE MIX

Another popular pie mix by Poplar! Pour from can —bake—serve Blueberry pie that's out of this world! Packed fresh in the heart of the Blueberry country. Get it— try it—soon!

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Mrs. Ross Morfey, Story county, Iowa, in the kitchen of her new farm home. The house is completely modern and convenient.

COOKERY CORNER

LEMON RICE PUDDING

½ cup uncooked rice
3 cups milk
½ cup sugar
Grated rind of one lemon
1½ tablespoons lemon juice
½ teaspoon salt
2 eggs, separated
4 tablespoons sugar
¼ teaspoon lemon extract

Cook the rice and milk in a double boiler until the rice is soft. Add sugar, lemon rind, lemon juice, salt and beaten egg yolks. Continue cooking over hot water until mixture thickens, stirring constantly. Pour into buttered baking dish. Beat egg whites stiff, and gradually beat in four tablespoons sugar. Add lemon extract and beat until mixture is soft and glossy. Pile on top of pudding and put into a 350-degree oven for 20 minutes, or until lightly browned.

MUSTARD BUTTER

Here is a good school lunch suggestion: Soften one cup of butter, blend into it one-half cup of best prepared mustard, mix thoroly, and keep in refrigerator to use instead of plain butter in cheese, meat or egg sandwiches. It will give zip and zest to sandwich fillings.—Caroline Ault, Richardson County, Nebraska.

PORK TENDERLOIN WITH STUFFING

1 pork tenderloin
1 egg, well beaten
3 tablespoons drippings
1½ cups bread crumbs
½ teaspoon salt
1 teaspoon sage
Pepper if desired
1½ teaspoons minced onion
Water or meat stock (milk may be used)

Have the butcher split the pork tenderloin nearly thru lengthwise. Add melted drippings to bread crumbs. Combine the remaining ingredients. Add enough moisture to hold crumbs together. Spread the stuffing between layers of the tenderloin. Either sew or skewer edges together. Season with salt and pepper. Place in an open pan and roast in a 275 to 300-degree oven about one hour.—Mrs. Louis G. Lasack, Jones County, Iowa.

COTTAGE PUDDING

¼ cup shortening
⅔ cup sugar
1 egg
1 cup milk
2 cups flour
2½ level teaspoons baking powder
½ teaspoon salt
1 teaspoon vanilla

Cream the shortening. Add the sugar, vanilla and beaten egg, and beat well. Stir in part of milk, alternating with the flour, salt and baking powder, which have been sifted together, until all is used. Bake in loaf pan in a moderate oven. Serve with warm fruit sauce or a plain sauce. Frozen fruits are good on it, too, when used as a short cake.—Mrs. G. F. H., Linn County, Iowa.

FROSTED MOLASSES COOKIES

2 cups molasses
1 cup sugar
1 cup lard
1 cup hot water
1 teaspoon soda
1 teaspoon cinnamon
Flour enough to roll nicely
Frosting—
¾ cup sugar
⅛ teaspoon salt
¾ teaspoon baking powder
3 tablespoons cold water
1 egg white

Cream sugar and lard together, then add the egg yolks, then the molasses combined with hot water. Dissolve the soda in a little of the hot water first, then add. Sift in flour, just enough so the mixture will hold shape and roll. Bake at 350 degrees. Frost when cool with the frosting which has been combined in upper top of double boiler, and beat for seven minutes, then spread on cookies.—Mrs. Bud Crawford, Custer County, Nebraska.

Moonlight scene from Mount Cadillac, in Acadia National Park.

Enjoys An October Vacation

An Iowa Farm Woman Finds Canada's Maple Leaves Are Bright In The Fall

WE TOOK a vacation in October and headed for Maine by way of Quebec, Canada. Our rate of travel was leisurely enough to take time to enjoy the things which came our way.

In Illinois, we drove thru the sunshine and enjoyed the wide, level land with pleasant farms. On the second morning, when the Indiana Dunes State Park was near, everyone wanted to stop and see just what a dune looks like.

This park is located on Lake Michigan, and on a sunny morning in October it was gorgeous.

According to our map, "Limberlost," the summer home of Gene Stratton Porter, was not far off the route, so we headed in that direction. Signs took us up a narrow country road to the gate. We parked the car and went afoot into a section of "Limberlost" woods.

Here we were almost alone, and the tall, straight trees of the dense woods brought on that feeling of quiet and loneliness which reminded us of characters from "Girl of the Limberlost" and "Freckles."

Northern Ohio farms must be the neatest in the world. Usually, there are two buildings, a tremendously big barn and a comfortable house—no clutter of buildings, no weeds, no dead trees to mar the view.

We could quite agree with Louis Bromfield about the beauty of the Ohio countryside. And we were thinking of him for we wanted to see his section of Ohio after reading his "Pleasant Valley," about his return to America and the old home in Ohio.

As we came into the fruit-growing section bordering the Great Lakes, we were dazzled by baskets of huge peaches at roadside stands. We bought a little basket for 25 cents, and then the feast began. Peaches are not the best fruit to eat while driving, but these were worth the effort.

At Buffalo, we crossed the International Peace Bridge into Canada and drove 20 miles up the Niagara river on a beautiful tree-lined drive.

The river becomes very rough and full of rapids just before it makes the breath-taking plunge of Niagara Falls.

The wonderful thing about Niagara Falls is the way each person can stand inspired by the gorgeous view. It is not easily described, but the thrill of seeing the fall can last a lifetime.

On the map, the St. Lawrence is a big and wide river, with many interesting-looking islands in the middle. And it is just that way in real life. To land-locked Iowans, it is unbelievable to see big steamers apparently calmly moving thru the fields.

It was about four in the afternoon when we reached Montreal, the second-largest French-speaking city in the world. And it was dark before we had driven thru the big city.

We were thrilled by Quebec's Old-World atmosphere—and were also worried by its narrow streets. And, since we didn't know where we wanted to go, it was hard to tell whether we were on the right street.

We saw beautiful old cathedrals and steep, narrow, cobbled streets designed for horses and stages—with no thought of sparing the horses.

Quebec is the Gibraltar of America. It is on a hill commanding the St. Lawrence river. Approaches to the hill are steep embankments. One fort required nine years to build, and features walls of various levels.

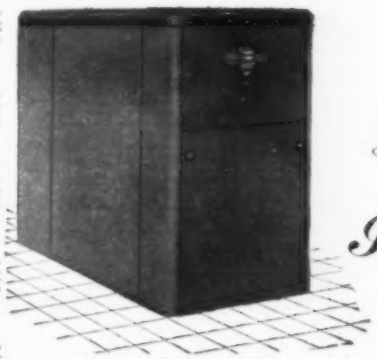
Standing on Cape Diamond, we could overlook the lower town and see a 950-step stairway which shop girls climb every morning and descend in the evening.

Our guide assured us that the average Canadian family had 14 children, with families of 24 or 26 not unusual. The government pays support for each child up to 16 years of age.

When the guide left us, we felt as if we had been given a glimpse into a quaint and charming foreign city.

On the highway at last, we saw lovely views of rail fences and grazing cattle.

But probably the most amazing sight was a black dog (which would weigh not over 80 pounds) pulling a low dog-cart in which two grown people were riding to town. — Mary K. Bullard, Story County, Iowa.



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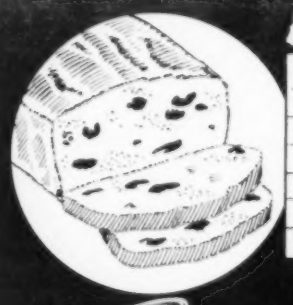

Well-proportioned Shape	yes
Evenly Rounded or Flat Top	yes
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Tender, Slightly Rough Crust	yes
Even Grain, No Tunnels	yes
Moist, Tender Crumb	yes
Good Flavor	yes

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5 GERANIUM PLANTS — $1.00

Wonderful Christmas Present for Your Friends!!

For sale: geranium plants of varied colors with no sign of autumn yet. Designate postpaid from the geranium capital of Southern California. These are healthy, well rooted plants, guaranteed to bloom soon after planting. Pin a $1.00 bill to the address you wish them sent and mail to

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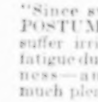

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U. S. SAVINGS BONDS ARE SAFE

Lois finds that a glass of milk is a good start on a lunch when she gets home from school. She is the daughter of Mr. and Mrs. William Ficklin, of Boone county, Iowa.

Washing Bedspreads And Rugs

Bedspreads, Rugs And Curtains Are Part Of Housecleaning And Require Special Care

WASHING bedspreads, small rugs and curtains is a part of the fall housecleaning. But they may have to be done more often than we have to wash walls.

Bedspreads are made up of so many materials that the type must be considered. Chenille and candlewick spreads are very popular.

If no tag is attached, it is best to test a corner of the spread in lukewarm water. If it does not fade, it is safe to wash the whole spread in lukewarm water.

Fill tub of washer to the water line, make a three-inch standing suds of mild soap, and wash the spread three to five minutes, turning it over in the water occasionally.

Wash only one spread at a time, and if it fades, do not put one of another color into that water, but start with fresh suds. Rinse in two lukewarm waters.

Hang across two lines without wringing or twisting, and allow to drip dry. Brush nap frequently while drying, so as to avoid matting.

When dry, spread over bed and brush with a whisk-broom. This will restore all the original fluffiness. Use the whisk-broom also to disentangle the fringe on the edges.

A chenille spread does not require ironing. Candle-wick spreads —if they are closely tufted—should be ironed on the wrong side, with the tufted side on a turkish towel or several thicknesses of old blanket.

For a crocheted bedspread, extra care should be taken. It may be a gift or it may be a prized creation of your own.

It is best to pin—or, better still, baste—the crocheted bedspread to a heavy sheet. It must lie flat.

Then wash in lukewarm, heavy suds. Let the washer run about two minutes, then turn the spread over in the water. Let the machine run another three minutes.

If there is any remaining soil in the spread, turn it over again in the washer and allow the machine to run another minute.

Support the spread carefully with both hands while lifting it from the water. Allow to drain a few minutes. Then rinse in two or three lukewarm waters.

Many of our window curtains can be satisfactorily washed at home. They are easier to wash, too, than many of the large pieces, as they are light in weight and easier to handle.

Remove curtains from windows and shake out the surface dust. Determine the type—cotton, rayon or nylon. If of cotton, make a suds of hot water and soap. Place curtains in washer and let machine wash from three to five minutes. Wring thru loosened wringer, rinse thru two waters, and starch to desired stiffness.

Stretch on curtain stretchers and allow to dry. With a very warm iron, press edges to remove stretcher marks and ruffles.

If curtains are of rayon or nylon, use lukewarm water with a three-inch standing suds. Wash two or three minutes, and rinse two or more times in lukewarm water.

Mount on curtain stretchers and allow to dry. Remove from the stretchers and press the edges and ruffles with a warm iron.

Many throw-rugs can be laundered, especially the rag-rug type. Fill washer to water line, add soap to make a three-inch standing suds, add rugs, and wash four to eight minutes. Rinse two or three times in lukewarm water and hang over line without wringing. Allow to drip. When almost dry, pull gently into shape.

Some soft-piled rugs may be cleaned by the above method if fast-colored. But it is best to have them either dry-cleaned or sponge sudsed unless they are marked washable.

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Save Money On This Home Mixed Cough Syrup

Big Saving. No Cooking. So Easy.

You'll be surprised how quickly and easily you can relieve coughs due to colds, when you try this splendid recipe. It gives you about four times as much cough medicine for your money, and you'll find it truly wonderful for real relief.

Make a syrup with 2 cups of granulated sugar and one cup of water. No cooking needed. (Or you can use corn syrup or liquid honey, instead of sugar syrup.) Then put 2½ ounces of Pinex (obtained from any druggist) in a pint bottle, and fill up with your syrup. This makes a full pint of medicine that will please you by its quick action. It never spoils, and tastes fine—children love it.

This simple mixture takes right hold of a cough. It loosens the phlegm, soothes the irritated membranes, quickly eases soreness and difficult breathing.

Pinex is a special compound of proven ingredients, in concentrated form, well-known for its quick action in coughs and bronchial irritations. Money refunded if it doesn't please you in every way.

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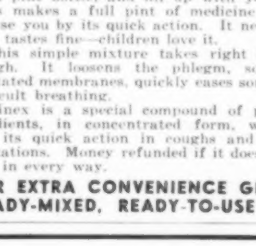

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WEAVERS Write for low prices on carpet warp, rug filler, Looms, parts, inexpensive beam counter. If you have a loom, give make and width please. OR. RUG COMPANY, Dept. 0966, Lima, Ohio

18 CHRISTMAS CARDS and envelopes $1.00; 60—$3.00. Send negative. Your 8 exp. roll ... 3 prints each good negative 45c. 2 ... negative 35c. One each good negative 25c. ... prints 3c. L. I. EASTMAN, Bode, Iowa.

— OUR ADS ARE NEWS —

Mrs. Frank Brown, Marshall county, Iowa, has given her 40-year-old kitchen a "new look." She has new equipment, lots of cupboard space.

We Refinished Our Floors

Well-Kept Floors Are Attractive As Well As Being Economical In The Long Run

A CAREFUL survey of our old, worn, unattractive floors led us to the only possible conclusion: They had to be redone. After seeing several decorators and getting their estimates, we made another decision: We would do it ourselves.

So, if your floors need refinishing, and your budget is already stretched, do as we did. Refinish them yourself. By bearing a few facts in mind, anyone can do the work professionally.

First, consider the type of wood. Is it closed grain or open grain? Maple and pine are closed grain woods; oak is open grained. Each type requires a different method.

Assuming the floor is an old oak one. If the boards are rough and worn, they must be sanded. This is done with a sanding machine. After sanding, apply wood filler in natural color or tinted to taste. You can buy it ready prepared or mix it at home. If bought ready mixed, follow directions on can.

Apply filler with a paint brush, a sponge, or an old soft rag. But don't spread on a larger space than can be worked in 10 or 15 minutes, as the filler sets quickly when exposed to air.

After applying the filler, scatter sawdust on it and set to work. Rub hard with the palms of the hands, always rubbing across the grain, until most of the filler is rubbed off. Then sweep up sawdust and clean away remaining specks by wiping with burlap. Continue over entire floor.

As soon as the filler has been applied, dispose of rags, sawdust and any other items saturated with filler, to avoid combustion.

Let filler dry 24 hours. Then sweep the floor carefully four or five times. Next, wipe carefully but quickly with painter's naphtha. Then cover with a coat of good grade clear varnish, thinned 10 per cent with turpentine. Let dry 24 hours.

Sand with No. 0 flint sandpaper. Sweep four or five times, then wipe with painter's naphtha. Apply another coat of varnish, just as it comes from the can. Let it dry 24 hours. Wax.

If the old floor is of close-grain wood, eliminate the filler process. Sand with sanding machine, clean and proceed with the varnishing, using the 10 per cent reduced varnish for the first coat.

Allow to dry 24 hours. Sand with No. 0 flint paper. Apply second coat just as it comes from the can. Allow to dry 24 hours. Wax.

If the wood of an old floor is in good condition, but the varnish is worn and spotty, the old varnish probably will have to be removed. Get a good varnish remover, apply with an old paint brush, and then scrape off with a putty knife.

After the floor has dried 24 hours, sand with No. 1 flint sandpaper. Sweep four or five times; wipe up with painter's naphtha.

If of closed grain wood, sand, clean and proceed with varnishing. If of open grain wood, it is always necessary to apply paste wood filler to get a smooth finish. Then apply the varnish.

If the varnish is only slightly worn, wash the floor with a washing compound used especially to wash floors to remove wax.

It is necessary to remove every bit of wax, or the varnish will dry very slowly and will have a tendency to chip, leaving unsightly scars. So clean thoroly. When absolutely dry, sand with No. ½ flint sandpaper. Sweep well. Then wipe quickly but thoroly with painter's naphtha.

Next apply varnish. One coat, just as it comes from the can, will probably be sufficient unless the old varnish is too badly worn. If a second coat is needed, thin the first coat with turpentine, allow to dry 24 hours, and sand with No. 0 flint sandpaper; then apply second coat as it comes from can. —Mary M. Smith, Boone County, Iowa.

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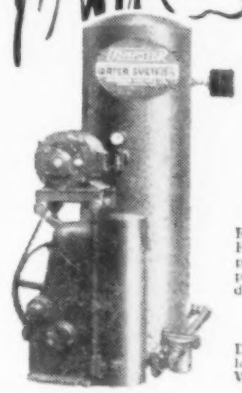

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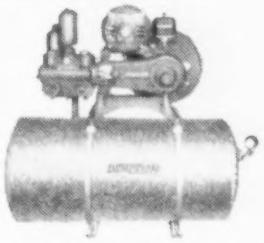

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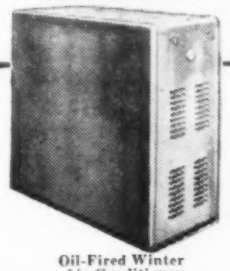

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The Farm Flock

Sick Birds Don't Lay Eggs

It's Smarter To Keep 'Em Healthy Than To Try For Cure After Disease Strikes

SO YOU'RE afraid of poultry disease? That's good! The more afraid you are, the better.

Because it's smarter to run away from diseases than it is to pick a fight with them. In other words, keep your birds healthy; don't let them get sick and then try to cure them.

Sick birds don't lay. And many of them die, no matter what you do. Even parasites can cut profits in a hurry. You can't afford a disease or parasite outbreak in your flock. So don't take chances. Stop disease before it gets started.

But how? What is disease prevention, anyway? Best way to define it is to list the definite things you can do to keep disease away.

For one thing, careful poultrymen never lay out the welcome mat for anything except healthy baby chicks. Never allow adult birds, even for breeding improvement, to come onto your farm. Even if they aren't sick themselves, they probably are carrying diseases and parasites which will be passed along to your flock.

But suppose, whatever you do, that one of your layers gets sick? Your job then is to keep the rest of the flock healthy. Only a person with a soft heart and a hard head will refuse to get rid of 10 or 20 sick birds immediately in order to protect the rest of his flock.

Dirty coops from produce houses are dangerous. It's poor economy to borrow them. Culling service, valuable as it may be, is dangerous if the culler uses disease-ridden coops or wears contaminated clothing. Insist on clean clothes and disinfected coops, or furnish them yourself.

Watch used feed sacks, too. They may have picked up disease in someone else's hen house. If your feed comes in old sacks, dump it into the bin thru an outside door and return the sacks pronto.

You're asking for trouble if you give layers the run of the place. The exercise and fresh air they'll get won't make up for the disease danger. Yards used year after year usually are filled with disease organisms.

Free-running flocks also are open to infection from neighbors' flocks some distance away. Dogs and other animals often carry dead birds from one flock to another. So keep your layers confined.

Sparrows, swallows and other birds which often nest in the hen house usually are lousy with mites and carry disease germs. You can beat this danger by covering windows and doors with poultry wire or hardware cloth.

There are several other practices that will help keep trouble away from your flock. Among these are vaccination for Newcastle, pox and laryngotracheitis—if these diseases are spreading in your community.

And don't crowd your flock. Above all, watch your feeding program. Full feeding of a proper ration helps keep birds healthy.

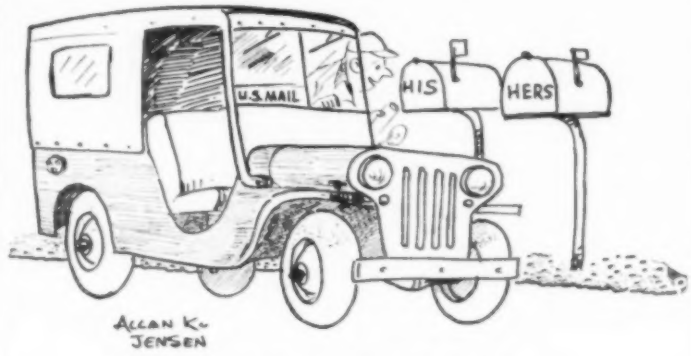
Records of 30 cooperators in the Iowa State College demonstration flock program show that decreased mortality quickly boosts production and profits. In the program's first year, demonstration flocks averaged 171 eggs per hen. By 1948, they were up to 209 eggs per hen, a gain of 22 per cent.

A big reason was the drop in mortality from 15.7 per cent of the birds housed at the start to 11.6 per cent in 1948. That's a gain of almost 30 per cent.

How have these flock owners cut death losses? Simply by following a program of disease-prevention. They raise their chicks on clean ground. They keep layers confined the year around. They sell old hens and clean the house before housing pullets. They keep out strange adult stock and avoid contaminated coops or sacks.

They use deep litter to reduce the danger from disease carried in by an outsider, including a neighbor. They keep feed and water clean by raising feeders and fountains off the floor and using guards on them. And they cull frequently to weed out susceptible birds.—W. R. Whitfield.

MUD-ROAD MAC



"They must be fighting again."

Two-Story laying house on Wesley Reckler farm, Jasper county, Iowa, handles 700 to 800 layers in four rooms—two up, two down. Ramp is for Wes, not hens. They are confined.

Hens Live Upstairs

A first-class hen house—with two stories—helps Wesley Reckler, Jasper county, Iowa, get top egg production from his flock.

It's the kind of house it takes to keep layers on the job all the time. Good insulation and ventilation keep the house comfortable winter and summer.

Helper in gathering the eggs is Reckler's daughter, Doris Jean, 15. It's a big job with more than 500 eggs a day.

Wesley is "upstairs maid." His wife works first floor. Notice ventilator intakes. Each room has 3 inlets, 1 outlet.

Running water in hen house cuts down chicken chores for Mr. and Mrs. Reckler. They use all-night lights to keep their 800-bird flock laying at a winter rate of 80 per cent.

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Eggs can mean a nice steady cash income for you. Don't be satisfied with just average results. Get your pullets into top production as quickly as possible with . . .

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(feed with your own grains)
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KENT 26% POULTRY CONCENTRATE
(contains no grains — makes maximum use of your crops)

You can keep your egg production in high gear from now on with either of these superior feeds. They furnish your flock with all the Amino Acids, Vitamins, Minerals, and Animal Protein Factors (APF) for sustained high production. More eggs mean more profits . . . get KENT poultry feeds from your local dealer today!

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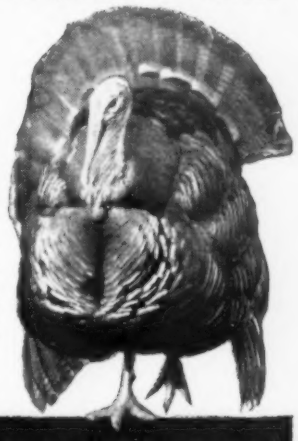

Whether you're raising "just a few," or planning on a large flock—it pays to start with quality stock. Livability, fast growth and good conformation can mean extra money at market time. Mixa poults are Minn. U. S. Pullorum Passed . . . extra poults are included in each shipment. Several strains and prices to select from. **Write for circular.**

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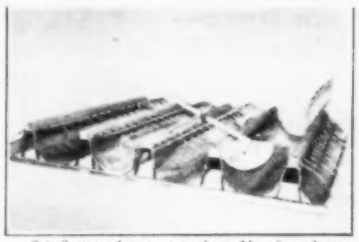

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Mrs. Hadley Stocks, Dousman, Wisconsin... has

NO 'SLACK' EGG SEASON

"There's no 'slack' period in egg returns when you feed Archer Granu-bits," says Mrs. Hadley Stocks.

Early production by her pullets and a long laying life for her old hens assure Mrs. Stocks of top egg returns the year-around. Last winter and spring her layers averaged 75-80% egg production on Archer Quality Egg Producer Granu-bits. As autumn arrived, those same old hens still were laying at a high-profit rate—just as her young pullet flock was coming into lay less than 4½ months after the hatching date.

Mrs. Stocks says Archer feed gets a lot of the credit for her flock's production record. "My birds get Archer Granu-bits from their first day in the brooder house," she says. "They're kept on Archer Chick Starter Granu-bits for 8 to 10 weeks; then they're fed Archer Chick Grower. And as laying time nears, I change over to Archer Egg Producer Granu-bits. Archer feeds have really paid off for me."

for year-around egg profits feed...

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GRANU-BITS

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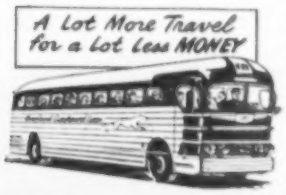

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Service Bureau

Chickens Stolen From Locker

To the Editor: I lost some chickens out of the locker in town. We know definitely how many we put in and how many we used. I claim the locker plant owner is responsible for this loss, since we pay him to keep food for us.—Mrs. C. Y., Harrison County, Iowa.

Yes, the owner of the locker would be responsible for this loss. If he refuses to settle with you, your only recourse would be to bring suit against him. But cost of the suit probably would be more than the amount you could recover.

Is School Liable For Girl's Injury?

To the Editor: A swing on the public school ground broke while my daughter was swinging on it. She fell and broke her arm. Can we make the school board pay the doctor bills?—W. N., Fremont County, Iowa.

No. The school district is an arm of the state, and is exempted from liability in such a case. Only person who might be liable would be the teacher if she knew the swing was in bad shape and still allowed it to be used.

Owns Land, But Needs Right-Of-Way

To the Editor: My son and two other boys bought a cabin and three acres of ground along a river. But there is no driveway to the cabin. The owner of the adjoining land won't let the boys drive thru to their cabin. What can we do? — P. J., Clayton County, Iowa.

Under Section 471.4, sub-section 4, Code of Iowa, there is a chance your son can condemn a right-of-way to connect with an existing road. The right-of-way may not exceed 40 feet in width.

Get a lawyer to help you look into the possibility of condemning a right-of-way under this section.

"I made this feed sack out of an old dress."

Wings For Your Market Basket

Be Brand-Wise!

If your shopping time gets you behind on your housework, here's a suggestion for catching up.

"Bone up" on your brand names. The time you spend reading the advertising pages of this magazine, or other forms of advertising, and learning the names that meet your needs will be saved many times over when you get to the store and you can name *exactly* what you want.

But, being brand-wise means something more than saved time. It means that every item you take home is backed by the reputation of its manufacturer—a nice comfortable feeling when you put your purchases to use.

Brand Names Foundation
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A non-profit educational foundation
119 West 57th Street, New York 19, N. Y.

CUTS FEED BILLS!

Chickens heavily infested with worms are never profitable. WOR-MOR is a simple, effective, easy to use flock treatment for removing large round worms, (ascaridia) and cecal worms (heterakis). It costs so little, too. Mix 1 lb. of WOR-MOR with 100 lbs. of mash and feed for 5 days each month.

SEE YOUR LOCAL DEALER TODAY!

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Aids for Poultry

718 Washington Ave. No., Minneapolis 1, Minn.

Gate Latch on Lloyd Larson farm, Fillmore county, Minnesota, is demonstrated by County Agent Milt Hoberg. Handle opens latch, and screen-door spring on the other side keeps it closed.

Can He Recover For Dead Pigs?

To the Editor: My hogs were in good health up to the time I had a veterinarian vaccinate them for hog cholera. Then several of them took sick and died. Can I get damages from the serum company or the veterinarian? — S. R., Scott County, Iowa.

You would be entitled to recover from the maker of the virus or the serum if either was defective. You could also recover from the veterinarian if he was negligent in the use of the serum or virus.

But it is very difficult to recover damages in cases of this type, since it is so hard to obtain proof.

Need A License To Drive Tractor?

To the Editor: Is there a law in Iowa that says I can't send my boy to town with the tractor and a trailer load of shelled corn? — R. E., Floyd County, Iowa.

If your boy has a driver's license, he can drive the tractor on public roads.

Without a driver's license, your son can drive the tractor in the field, or on the road if he is driving to or from a nearby field to conduct farm operations. But he can't drive the tractor to town.

Can Claim Mother As Dependent

To the Editor: A widow owns a small home, but has no income except a small garden and a few chickens. Her two children give her money —one about $25 a month, the other $15. Can either or both of the children claim their mother as a dependent for income tax purposes? — C. R., Appanoose County, Iowa.

A child can claim his mother as a dependent if he furnishes more than half her support for the year, and if the dependent's gross income is less than $500.

So the child contributing $25 could claim his mother as a dependent if the two conditions mentioned above are met.

Tenant Wants Fuel Tanks By House

To the Editor: A landlord won't let his tenant put fuel oil tanks next to the house to furnish fuel for the heating stove. Is it right for the landlord to do this?—Mrs. K. R., Rock County, Minnesota.

That depends. If a fuel tank next to the house would create a danger to the building, the landlord can restrain the tenant from putting it there.

If it does not create a dangerous condition, the landlord could not restrain the tenant.

Reinvested Profit Is Taxable

To the Editor: After owning two farms for some time, I sold them at a profit and put the money into another farm. Is there any income tax to pay? — J. H., Shelby County, Iowa.

Yes. Your profit is taxable, whether you put it in a bank, spend it, or reinvest it in another farm.

Here's how you figure the tax: Add up the purchase price of the farms you sold (or the value if inherited), plus improvements you added, plus selling costs. From this total subtract sale price plus depreciation. That gives you your profit. Half the profit, if you owned the farms more than six months, is taxable.

Whose Duty To Cut The Weeds?

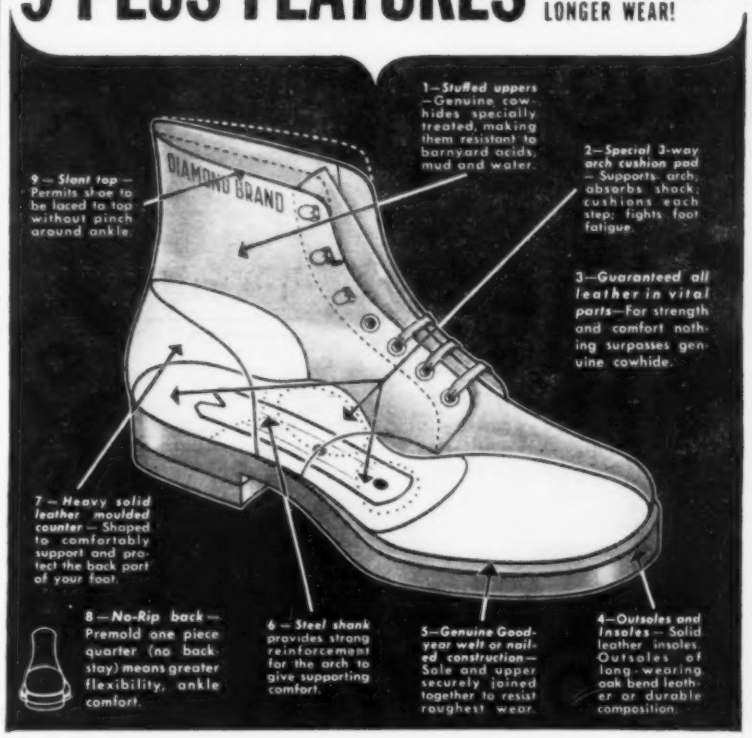
To the Editor: A man farms the land where there is a set of buildings. He does not live on the premises, but uses the crib and implement shed. Is he supposed to cut the weeds along the road and around the place?—N. L., Montgomery County, Iowa.

This would depend entirely on the terms and conditions of the lease. He would not be required by law to cut weeds along the highway. That is the responsibility of the owner unless some other arrangement is provided for in the lease.

X-RAY TEST Reveals 9 PLUS FEATURES

Peters Diamond Brand WORK SHOES

FOR GREATER COMFORT! LONGER WEAR!



LOOK BOTH INSIDE AND OUTSIDE FOR YOUR WORK SHOE FACTS

There's lots more to a pair of Peters Diamond Brand Work Shoes than meets the eye. This X-Ray view reveals those "hidden" features that make them fit so well, hold their shape so much better, last long beyond the life of ordinary work shoes.

Inside and out they're built to take the knocks and abuses of a hard day's work. It pays to insist on Diamond Brand Work Shoes every time—available at better stores in a range of sizes and widths.

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No. 4221-2. This all-purpose shoe carries features 2, 3, 6, 7, 8, 9. Brown, pliable, elk-finished leather upper. Top grade leather outsole, rubber heel. Genuine Goodyear welt construction.

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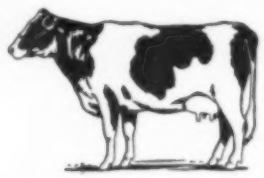

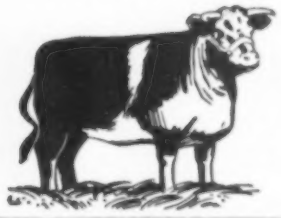

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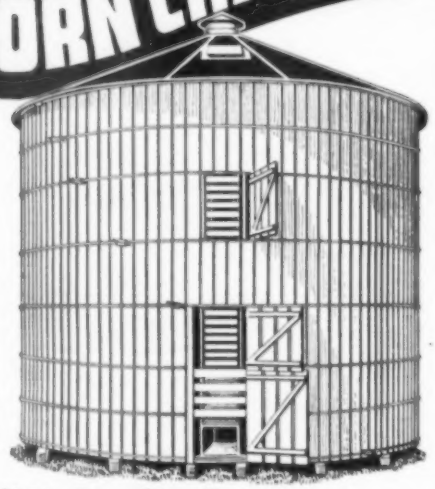

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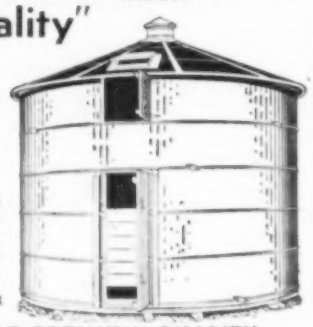

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If You Practice Erosion-Control

Does It Really Make You Money?

A Study Of 90 Farms In Southwestern Iowa Gives The Answer: "Yes, If——"

IF YOU practice erosion-control on your farm, that's fine for your grandson and for the nation. Your grandson will have a better place to farm—if he stays on the same farm. And the nation will eat more because one more farm has kept its top soil at home.

But does control of erosion make a fellow any money right now?

You can find some evidence that erosion-control does make the operator money. Go to southwestern Iowa and compare 45 farms which used erosion-control and 45 farms which didn't.

That's what Early Heady and Carl Allen, of Iowa State College, did. They report what they found in the October "Iowa Farm Science."

The farms studied were scattered over an area that included parts of Crawford, Carroll, Shelby, Audubon, Guthrie, Pottawattamie, Cass, Mills, Montgomery, Fremont and Page counties.

All the farms were alike in that their soils were mostly Marshall silt loam, with some Shelby.

How did the two groups of farms compare?

Heady and Allen report that the erosion-control farms averaged 27 per cent more net income than the other farms. That's on the basis of 1945 prices.

What made the difference?

The erosion-control farms:
1. Produced more and sold more.
2. Grew more roughage.
3. Had more livestock.

By using livestock as a method of processing and marketing forage, the erosion-control farms did more business and made more money.

The erosion-control farms purchased an average of 159 bushels of corn a year for additional feed. The other farms sold an average of 1,002 bushels a year.

Without making any change in the cropping methods followed, the soil-wasting farms would have made more money if they had fed their corn to livestock instead of selling it.

But the soil-wasting farms still wouldn't have done as well as the soil-erosion-control farms. Their total production of grain and roughage was less, and would have remained less until a change was made in their cropping plan.

To build an erosion-control farm an operator has to have more working capital. He needs it for livestock, for feed, for conservation practices.

It would be necessary for a soil-wasting farm to invest about $3,000 to get up in the erosion-control class.

At least $1,000 would be required for investment in conservation practices. Another $1,000 would be needed for fence and building alterations. Another $1,000 would have to be invested in livestock.

Many of the soil-wasting farms had too few acres in legumes. They weren't getting the grain yields possible with a better rotation and more legumes.

Erosion-control farms had corn follow legumes regularly. In this group of farms, only 8 per cent of the acreage had been in grain crops for three years or more in succession.

On the poor farms, 32 per cent of the acreage had been in crops for three years or more.

To change a farm over from a low-return, soil-wasting farm to a higher-return, soil-saving farm takes capital, knowledge of erosion control and skill in livestock handling.

This means that for most farmers the change-over is likely to take several years. An operator can build up his livestock gradually, and lime and reseed and terrace one field at a time.

Profits In Erosion-Control

TOTAL ACRES—	High Conservation Farms	Low Conservation Farms
Acres row crops	62	84
Acres small grain	30	25
Acres all grain	93	109
Acres hay	26	22
Acres rotation pasture	14	9
Total acres of forage	65	51
Corn yield per acre	63.9	52.9
Hay yield per acre	1.9	1.7
Percentage total feed produced	33	24
VALUE OF FARM PRODUCTION—		
Gross profits	$7058	$6056
Net sales crops	$ 285	$1348
Net production livestock	$6773	$4708
Livestock investment	$4552	$3850

(From October, 1949, "Iowa Farm Science")

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Go 9 and 15 m.p.h. on your old model John Deere A or B. Two separate, additional speeds. On Farmall F-20, F-30, or Regular Model, you can do 14 to 15 m.p.h.; or if you prefer, you can have 10 m.p.h. gear box for the F-20 or Regular Model. Installed with or without Lift-All Pump.

Bring your old tractor up to date. Do many more jobs in a day. Ideal for bucking hay, rotary hoes, long hauls, etc. Does not interfere with present gears.

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Equip your H or M with this handy in-between speed of 10 m.p.h. Not too fast, not too slow for many field jobs. If you prefer, you can have 7 m.p.h. gear box. Quickly, easily installed.

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Place your order now for the Sioux Hammer Mill Power Take Off Attachment. Find out for yourself how much easier your grinding problems become. Hundreds of mills now in operation giving utmost satisfaction. Makes grinding a pleasure. Unit is ready for operation after joint is attached to Tractor Power Take Off and driven by a special Endless Belt. For further particulars send us your name, address, make of Hammer Mill and make and model of tractor to be used for this purpose.

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Now, for the first time since the war, you can get tough Red Rubber Belting at real farm prices! New Holland offers roll belting 1 to 12 inches wide—endless, 4 to 8 inches wide and 40 to 150 feet long. And, best of all, you can get it *now*—so see your New Holland Dealer or write for free catalog.

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THE NEW **Duplex ROTARY SCRAPER**

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21st and Locust Sts. East Omaha, Nebraska

First Aid for Stock

Sows Do Not Milk After Farrowing

To the Editor: What can be done about sows that don't give milk after farrowing?—J. L., Cherokee County, Iowa.

The trouble may be lack of succulence in the sows' diet. If they have been on a self-fed or hand-fed grain ration, try giving them some slop. Skim-milk or buttermilk may help.

Another cause of this trouble is the failure of the pituitary gland to secrete the hormone that controls milk flow. This can be corrected by having a veterinarian inject a glandular extract — but this has to be done within 12 to 24 hours after farrowing.

Remember, too, that undue excitement at farrowing time often produces another glandular secretion which constricts blood vessels and cuts off the milk.

Heifer Won't Get With Calf

To the Editor: I have a good Jersey heifer which keeps coming in heat about every 10 days. I have let her run with my own bull and have tried two other bulls. Why won't she get with calf?—L. C., Van Buren County, Iowa.

It's difficult to say, without examining the heifer, just why she doesn't conceive. But one of the most common causes of this trouble is a cystic ovary.

The ovary becomes covered with cysts, and the "yellow body"—a sort of container of the female cells—does not break and shed into the uterus. So heat persists.

It's possible, too, that the heifer may have an infection of the genital passages which kills the male cells after they are deposited.

Examination by your veterinarian will show whether the heifer has either of these troubles.

Uterus Turns Inside-Out

To the Editor: Not long ago, while a heifer was calving, her uterus turned inside-out. Earlier, we had the same trouble with a young mare. Both animals were destroyed, since we were told they wouldn't live. What is the cause of this trouble? Is there a remedy?—R. S., Mills County, Iowa.

Prolapse of the uterus often occurs in many animals at the birth of young. Sometimes the trouble traces to feed containing ergot, a mold often found in small grains and in some grasses. This mold frequently causes abortion.

Injuries, especially to the abdomen, also can cause this trouble.

Whatever the cause, the animal should not be destroyed. In many cases, the uterus can be replaced successfully, or even amputated by your veterinarian.

Only if there is a tear which permits infection to enter the stomach cavity is death very likely.

NEW PROFITS IN LAMB FEEDING

How You Can Make MORE, without "Overeating Disease" Worries

Now you can go into lamb feeding . . . PUSH your lambs for better profits, without that old-time problem of "Overeating Disease." A new Bacterin which PREVENTS overeating disease losses now opens a NEW DAY for the lamb feeder.

Plan Now to Feed Lambs

Here is what this new development can mean to YOUR profits. This bacterin was developed in the Corn States laboratories and tested for three years, then was used last season on over 900,000 lambs in all parts of the United States. It REDUCED OVEREATING LOSSES to little or nothing. Lambs can now be put on self-feeders. You can lamb-down corn fields, graze wheat and bean fields, utilize waste feed. You can cut feeding time, push lambs FASTER, for bigger profits.

Ask Your Veterinarian

Your Veterinarian now has this new Bacterin, and can give you full details. It will immunize lambs over 2 months old for the full feeding period. Only one treatment is necessary. Allow 10 days for immunity to develop. Then push your lambs as fast as you want, without overeating disease worries. Get into profitable lamb feeding NOW. Check with your buyer and your veterinarian this week.

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You cut discing time in thirds . . . plow a clean, black field when you shred old corn stalks in the field with this improved Coats Stalk Shredder. No more "burning off." With the Coats Shredder you can return valuable plant food back to the soil for bigger crops. Fights borers, too. Kills worms right in the stalks, leaves no place for larvae to hibernate through winter. Super-strong construction. Superior shredding action. Adjust right from tractor seat.

WRITE for complete facts today. See how you can save work and boost yields with this Better Coats Shredder.

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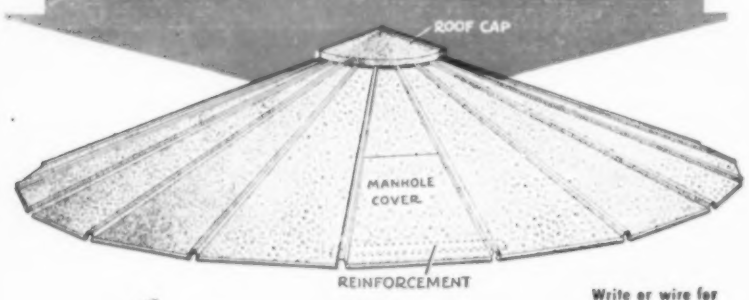

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SIZES AND SPECIFICATIONS:

26-gauge galvanized steel construction. Self-supporting! Steel cover clips securely fasten roof to side of crib. Available in four sizes as follows: 12'8" diameter, 14'8" diameter, 16'8" diameter, 18'8" diameter.

Steel top protection is a MUST for Government approval! Get this protection and *more* with a Siebring Corn Crib Roof. These self-supporting, sectional steel roofs fit both round and square cribs. Easy to fill through the roof cap or the wide manhole cover.

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Easy to Handle & Operate

For fast, easy handling of ear and shelled corn, small grain or any type bale. One man can move and operate.

24, 28, 32, 36 and 40 ft. lengths. 16 in. inside width. Trough of 16 gauge sheet steel. Welded construction, rigidly braced.

Operates from engine or power take-off. Convenient clutch on jackshaft. Roller bearings throughout.

Readily raised or lowered by sturdy, safe, self-locking winch on self-balancing 2-wheel trailer hoist.

Lowered and Locked for Traveling.

2-chain, tilting, low-dump hopper, heavy assist springs for easy raising.

Write for literature and prices on 2-chain and single chain elevators, auger truck loaders and elevators, wagon hoists.

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FLASH!- ANOTHER "SWEET AS HONEY" WINNER. . . . The Grand Champion BLACK ANGUS STEER owned by Raymond Kurt, Cascade, Iowa. Won the Fat Steer Show, Monticello, Iowa, August 19. "SWEET AS HONEY" soft-rolled heavy molasses pellets increase the palatability of your feeds. MORE MOLASSES . . . yet easy to feed. See your "SWEET AS HONEY" dealer today.

WELCO FEED MFG. CO. **SPENCER, IOWA**

—PUT SOME OF THAT EXTRA CASH INTO SAVINGS BONDS—

Picker rolls ground up to his wrist before Howard Dougherty, of Calhoun county, was able to pull himself free. Last year, picker injuries cost Iowans $75,000 in doctor and hospital bills.

Stay In One Piece

The Iowa farmers pictured here and on the page opposite—like those shown on the cover page, hope you'll learn from their experiences.

You can take their word for it that a running corn picker is one of the most dangerous gadgets on the farm.

But it can be safe as a kitten, too. All you have to do is remember that your hands are worth more than your time. So shut off the picker before you start to unclog or adjust it.

It Was in 1926 that Carl Lofstedt, Greene county, lost hand in horse-drawn picker.

Rolls of picker, not an, cut off fingers for Harlan Barnes, Story county, in 1946.

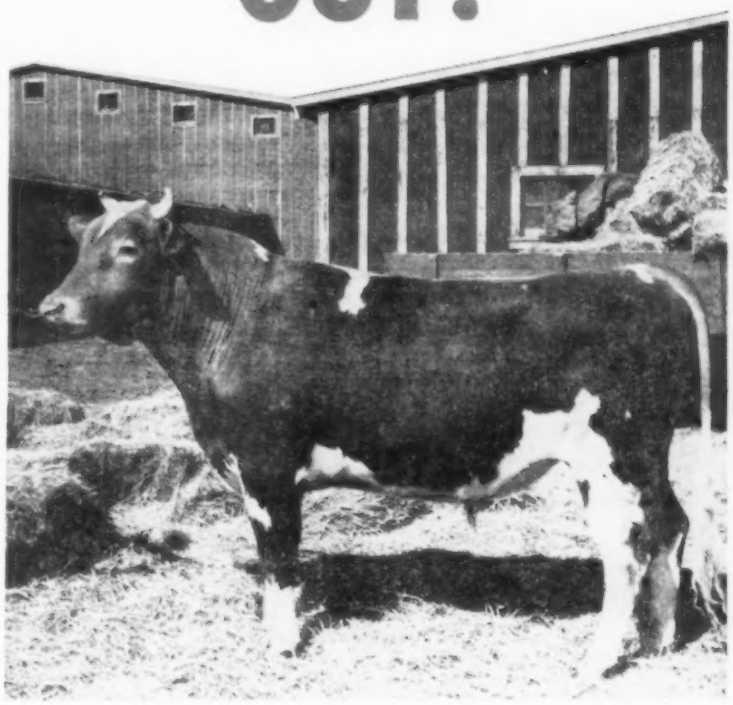
Sometimes picker injuries need attention long after accidents. Carroll Broen, Hardin county, lost several fingers a year ago, just recently had to have still another one removed.

Power take-off caught Henry Horst, Sac county, mangled an arm and chopped off a leg below the knee. After corn picking is finished this year, he will go back for another operation.

Accidents started early this year. In late September, Leonard Pudenz, Carroll county, slipped into rolls, crushed a foot. Four-month-old Deborah Jean helps speed Dad's recovery.

Missing hand—lost in picker last fall—was a severe blow to Musician Para Dorman, Dallas county. But he switched from wind instrument to drums, still plays for community dances.

ONE STANDS OUT!



OVEN'S PRINCE OSCAR, 3 year old grand champion Guernsey bull whose dam holds Oklahoma butterfat record of 555 lbs. for junior 3 year olds and a mature record of 703 lbs. fat. Oven's Prince Oscar is one of the herdsires of the Jerry Oven Farm, Enid, Oklahoma.

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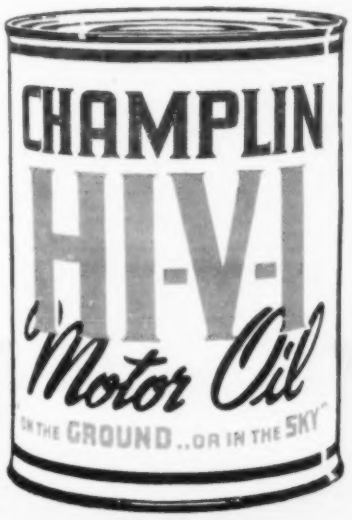

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- SHREDS CORN STALKS
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Costs $200 less than most corn stalk cutters

FITS ALL TRACTORS!
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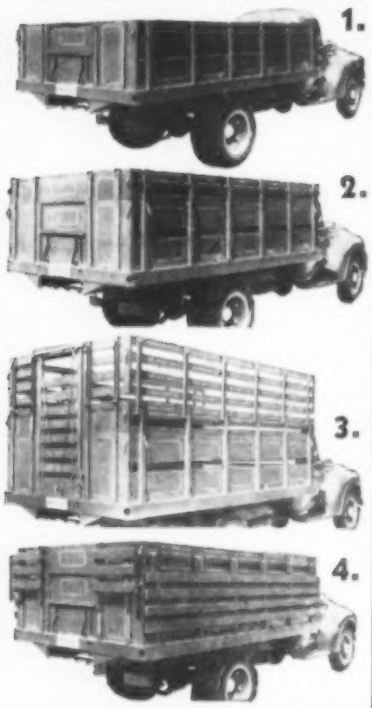
STEEL TRUCK BODY



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The Knapheide "Quad"

The new "Quad"—4 in 1 Combination Body embodies the time-proven steel side grain body, plus removable tip-tops, plus the hinge-down rack.
Quickly remove tip-tops and racks and you have (1) a completely grain-tight body with 28" sides ideally suited for use in conjunction with a combine or for hauling small grain.
Add (2) 12" steel tip-tops and you have a completely grain-tight body with 40" sides for hauling ear corn or any other bulky product.
Add (3) hinge-down type racks and remove steel ventilators in grain sides and tip-tops and you are all set to take a load of livestock to market with a 66" high livestock body. When through hauling stock, racks can be folded down (4) out of the way ready to be used again at a moment's notice or quickly removed from body if desired.
Two complete sets of rear center gates are furnished with the Quad, the new improved lever-type sliding grain gate for use with grain sides and the new, "easy-lift" combination lift-out and sliding stock gate for use with racks, the latter being controlled by a rope and pulley arrangement for easy operation from either ground or dock level.
The Quad will take care of more hauling problems than any other farm body and has the same dependability which has made **Knapheide** transportation equipment famous for more than a century.

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Western Land Roller Company, Bx. 176, Hastings, Nebr.

PATENTS Write for information on what steps an inventor should take to secure a patent.
Patrick D. Beavers, 982 Columbian Bldg., Wash. 1, D. C.

Chore cart powered by 1½-horsepower gasoline engine is used more often than almost any other implement on the Harry Folkerts farm, in Butler county, Iowa. Son Lee demonstrates the gadget.

Corn Loan Rate Is Down 4 Cents

New Rule On Warehoused Grain Gives You Three Ways To Get Support Price

CORN loan rate for the 1949 crop is 4 cents below last year's loan price. The average for Iowa is about $1.31 per bushel.

The rate per bushel varies by counties, as it did last year. It is $1.31 for Lyon county, in extreme northwest Iowa. In Lee county, in southeast Iowa, it is $1.37.

If you live in Iowa, you can find the corn loan rate for your county by subtracting 4 cents from last year's rate. But that isn't a reliable rule in every state.

Three methods of using the price supports are available to corn raisers on the 1949 crop:

1. You can seal the corn in your own cribs. This is the old method under which you take a loan at 3 per cent interest.

2. You can store shelled corn in an approved warehouse and get a loan on the warehouse certificate.

3. You can sign a purchase agreement under which the corn can be delivered to the government next summer at the loan price.

Most of the corn loan and purchase agreement rules are the same as last year. However, there are a few changes in addition to the price change. Here they are:

1. The due date on corn loans will be July 31 next year. This is 30 days earlier than it was for 1948 corn. It is changed to help prevent another delivery jam such as we had this fall.

2. The loans on warehoused corn are new. This corn must be shelled and must have not to exceed 13.5 per cent moisture. You take the warehouse certificate to your county PMA committee and get a loan just as on sealed corn.

Of course, you have to pay what amounts to storage on warehoused corn under loan. If you do not pay storage charges in advance up to the July 31 due date, 10 cents per bushel will be subtracted from the loan when made.

But the warehouse certificate plan gives you all of the advantages of the ordinary loan on sealed corn. You can pay the loan and repossess the corn, or corn of the same grade, if you so wish.

3. The discounts on sealed corn that fails to make No. 3 grade may be a little more on 1949 corn than on last year's crop.

"It is probable that the regular market discounts will apply," says J. L. McLaughlin, of the Iowa PMA state committee. In the past, the discounts have been based on old OPA discounts, which were somewhat less than regular market discounts.

Some of the points upon which no change has been made are the premiums, the moisture content of the corn and the widths of the cribs.

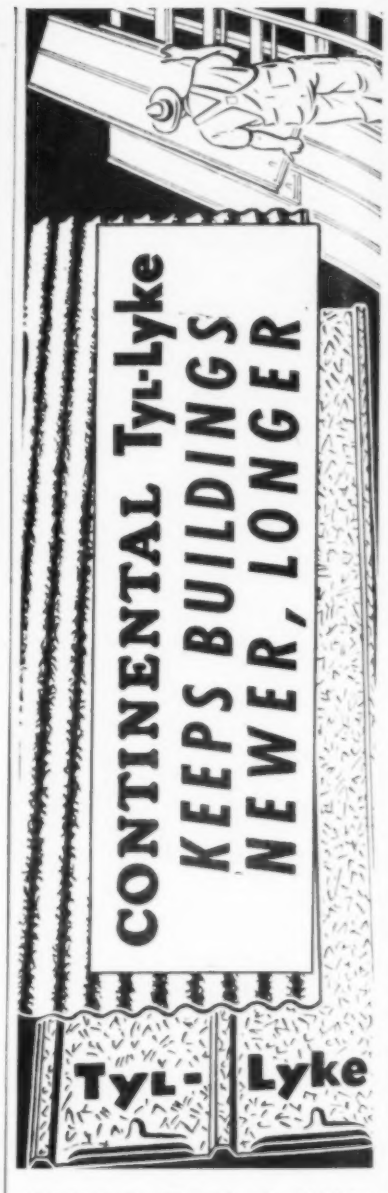
The premium for extra good corn is one cent per bushel for No. 1 corn and one-half cent per bushel for No. 2 corn. On warehoused corn, the premium is paid when the loan is made. On sealed corn or purchase agreement corn, it is paid when corn is delivered.

Following the old rule, no corn will be sealed if the moisture content is over 20.5 per cent. The maximum crib width for 20.5 per cent corn varies from six feet in northeast Iowa to nine feet in extreme southwest Iowa.

Cribs can be wider than these maximums if the corn is dry enough. The rule is like this: For each foot or fraction of a foot extra width, the moisture content must be 1 per cent less.

Width of round cribs is found by taking two-thirds of the diameter. But ventilators are taken into consideration. Round cribs can be sealed if they have roofs, floors and crosswise ventilators.

See your county PMA (formerly AAA) committee about the details of sealing corn. The county committee is the authority in your area.



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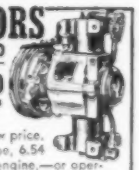

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Research Points

Lindane Effective In Tests

The newly recommended fly-control insecticide, lindane (gamma isomer of BHC), has been very effective in two Iowa State College tests.

In both tests, lindane gave nearly 100 per cent initial kill, and the residual effect lasted from three to four weeks.

New Chlorate Cuts Fire Hazard

A new, safer, non-selective weed-killer, known as chlorax spray powder, has been developed by the Chipman Chemical Company.

Main killing ingredient in chlorax is sodium chlorate. But the new product doesn't have the fire hazard normally associated with chlorates. Also, it doesn't carry the danger of poisoning grazing livestock under normal conditions.

As a non-selective weed-killer, chlorax kills all growth and sterilizes the ground for a fairly long period. So it's useful along fence rows, ditch banks, around buildings and other places where a long-lasting effect is an advantage.

Hay Choppers Cut Labor Cost

Hay choppers save a lot of work in hay-making and handling all the way from field to feeding.

That's what Purdue University researchers found in a study of haying and hay-feeding operations on 30 central Indiana farms.

Such a finding didn't surprise anybody. But the studies did turn up some other interesting facts. For one thing, the research men found that elevators are more economical than blowers in handling chopped hay.

Also, you have to use at least 120 tons of hay before the field chopper becomes the most economical method of hay-making.

The studies showed, too, that semi-self-feeding of hay is one good way to cut labor time.

The research men looked over weather records, too. For 16 years before 1948, the chances of getting first cuttings of alfalfa wet were two out of three. That's where choppers and balers both showed the biggest advantage in producing quality hay.

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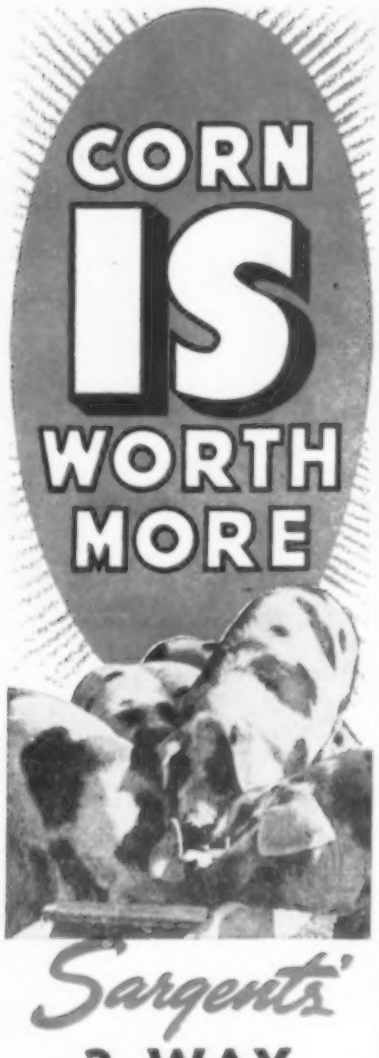

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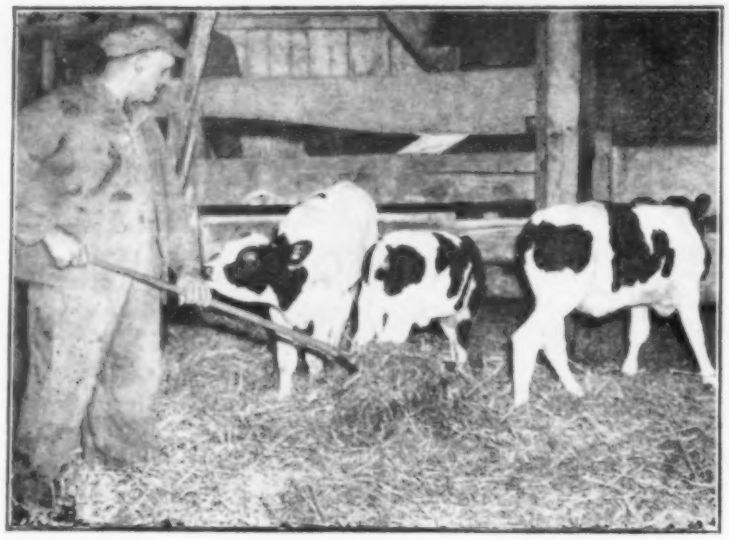

Clean bedding is a "must" in good calf care, says Perlie Cook, a Winneshiek county, Iowa, dairyman. It's part of the battle against diseases which keep calves from becoming high-producing cows.

Good Calves Make Good Cows

Your Future Milkers Rate Special Care, Say Northeast Iowa Dairymen

TO HAVE good cows, you must have good calves. That is what successful dairy farmers in northeast Iowa say.

These dairymen don't believe in trusting their luck in the business of building a profitable herd. They stress the importance of good calf management.

Good calf care, they say, starts before the calf is born. It begins with careful selection of dam and sire. This is followed by proper care of the dam while she is carrying her calf.

From the moment the calf is dropped, these men give it special care. They take positive steps to provide a well-balanced ration, fresh water, ample sunlight, good ventilation and clean stalls and equipment.

"We keep fresh water in front of our calves at all times," says Chester McIntosh, Winneshiek county dairyman.

McIntosh also keeps clover hay in front of his young calves. As soon as they are a few weeks old, he gives them both clover and alfalfa. These roughages supply vitamins, cheap nutrients, and help develop body capacity.

Calf pens on the McIntosh farm are cleaned regularly and kept well bedded.

Arthur C. Ruen, also in Winneshiek county, is well known in the Frankville community because of his high-produieng Holsteins. He attributes much of his success with dairy cows to careful calf management.

Ruen plans so that most of his cows will come fresh during the early months of the winter. So it is of great importance that he practice the right methods to get his calves thru the rigors of cold and stormy weather in good condition.

Like other successful northeast Iowa dairymen, Ruen strives to give his calves a good start. He stresses fresh water, a balanced ration, good bedding and clean pens.

"Sunlight plays an important role in producing good winter-born calves," Ruen says. He has arranged his calf pens on the west side of his large dairy barn, where convenient adjustable windows admit direct sunlight and can be raised to admit fresh air.

Ruen is careful to avoid drafts in his calf pens. He says they lower resistance to colds and other diseases. "It's one of the big problems of caring for calves in winter," he says.

To avoid drafts, he ventilates by carefully regulated window slots, keeps door and windows in good repair, and avoids opening outside doors unnecessarily.

"One of the finest things I have run across for calf-pen bedding," Ruen says, "is chopped straw. It's so nice to handle, lies so much better than full-length straw, and absorbs more moisture."

Perlie Cook and his son, Merle, have one of the highest-producing dairy herds selling whole milk to the Frankville cheese factory. They also emphasize the importance of calf care in good dairy herd management.

They are milking 17 cows, with several more to freshen soon. They have six young calves, and are prepared to take care of several times that many.

The Cooks say they do not believe in "just shoving a calf out in the pasture to forage for itself." A calf, in the opinion of these men, deserves the right care if the right kind of growth and development is expected.

"Sanitation, balanced rations, sunlight, fresh air and ventilation," they say, "are most important factors."

The Cooks bed with clean oat straw. This is spread freely to provide a warm, absorptive bed. The pen is cleaned out frequently, before the straw gets soaked.

"You can't expect to develop a thrifty, high-producing cow," the Cooks say, "from a sickly, underfed calf."

What are you doing to guard their HEALTH . . . and your INCOME?

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Farm News Briefs

IOWA FARMERS now are in their strongest financial position in 50 years, reports the Iowa Development Commission. Per capita farm income is three times the national average. And farm debt, at 382 million, is at a 20th century low.

▲ ▲ ▲

IOWA SECRETARY of Agriculture Harry Linn is new president of the National Association of Commissioners, Secretaries and Directors of Agriculture. He was elected at the group's annual meeting in Atlantic City, N. J.

▲ ▲ ▲

FOUR IOWA county extension directors have been given distinguished service certificates by the National Association of County Agricultural Agents. They are: Harry Codlin, Cass county; Loren Brown, Poweshiek county; Delbert Foster, Lee county, and Paul Henderson, Hancock county.

▲ ▲ ▲

LOANS MADE by the Rural Electrification Administration last month included $100,000 to the Cherokee County, Iowa, Rural Electric Cooperative. Money will be used to build highlines to 65 more Cherokee county farms.

▲ ▲ ▲

MASTER FARMER William A. Hollowell, of Marion county, Iowa, died September 26, at the age of 87. An organizer of the Marion County Farm Bureau, and its president from 1919 to 1925, Hollowell was named a Master Farmer by Wallaces' Farmer and Iowa Homestead in 1930.

▲ ▲ ▲

STRONGER-than-expected livestock markets helped push the index of prices received by Iowa farmers in September from 266 to 274. The meat animal index alone gained 12 points. At the same time, a drop in commercial feed prices helped boost the ratio between prices paid and prices received (parity) to 105, up 6 points from a month earlier.

▲ ▲ ▲

HAROLD PACE, of Muscatine county, is new master of the Iowa State Grange. He succeeds James Carradus, Delaware county, who was named to the executive committee. Other officers: Loren Murphy, Jasper county, overseer; Mrs. Clarence Lindle, Muscatine, lecturer; Marvin Coder, Louisa, steward; Mr. and Mrs. Burdette Annis, Delaware, assistant stewards; Mrs. L. M. Ryan, Delaware, chaplain; Mrs. Earl Hadley, Jasper, secretary; Jepson Adams, Jasper, treasurer; Clair Jackson, Poweshiek, gate-keeper; Mrs. James Carradus, Delaware, Ceres; Mrs. Raymond Hesson, Jasper, Pomona; Mrs. Glen Harris, Poweshiek, Flora.

▲ ▲ ▲

COMING EVENTS: Oct. 15-22, American Royal Livestock Show, Kansas City; Oct. 21-22, Iowa Creameries Association and Iowa Creamery Operators Association conventions, Des Moines; Oct. 25-28, Meat Animal Show, Waterloo; Oct. 27-28, Feeder Cattle Show, Chicago.

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"I got my Land Bank loan about 15 years ago, when times were tough. It saved my farm for me.

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Voice of the Farm

Asks About Hog Supports

To the Editor: The way I understand this new support plan for hogs, a fellow might be unlucky, sell at a time when the price was below 90 per cent of parity, and still wouldn't get anything out of it.

Why can't we figure out some way so a hog raiser will get the 90 per cent of parity he's been promised by congress? — H. M., Louisa County, Iowa.

Turn to page 12 for a discussion of the new hog support program.—Editor.

Explains Viewpoint Of Non-Saluters

To the Editor: In the "Outside Stuff" column in your September 17 issue, you take great pains to call attention to the group of people who do not believe in saluting the flag.

This group of Christians, known as Jehovah's Witnesses, do not give honor to anything or anyone except Jehovah God and Christ Jesus.

Can you cite any instance in the Scriptures where anyone had the approval of Almighty God because they saluted a symbol of the state?

Many instances occurred where they had the Lord's approval for not bowing down to images of the state.

There is no law that compels anyone to salute a flag. And if these Christians prefer to please God rather than men, why make it out a crime to do so? Just saluting a flag and singing patriotic songs doesn't make people really patriotic. — Mrs. Earl Wells, Webster County, Iowa.

Non-saluting is no crime. But neither is saluting.—Editor.

Asks About Graduated Land Tax

To the Editor: Why is it that we never have any discussion of a graduated land tax lately?

It was discussed quite frequently in your paper some time ago. I think it would be one of the best tax laws we could have.—John Trierweiler, Harrison County, Iowa.

Any chance of getting one passed?—Editor.

Will Corn Acreage Cuts Work?

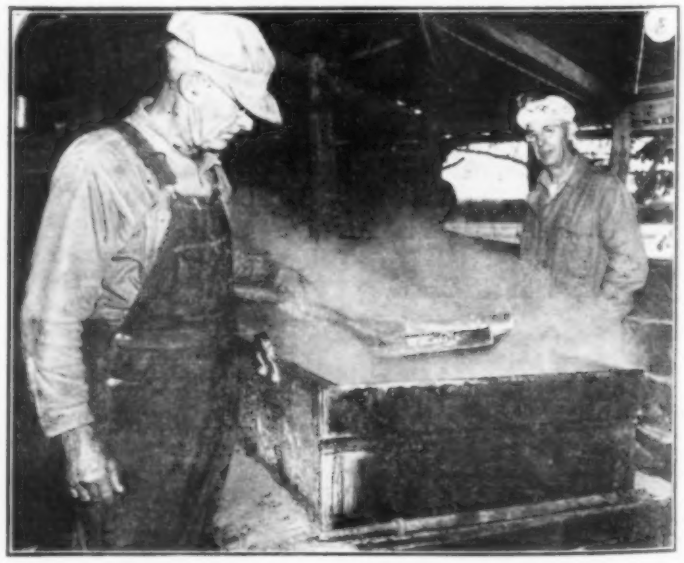
To the Editor: Does anybody really think that cutting corn acreage 10 per cent next year will reduce the amount of livestock feed produced?

Most of my neighbors will use their best land, buy the best seed, load on fertilizer, and raise as much as ever.

And the 10 per cent which was taken out of corn will go into some kind of a feed crop, too.—D. R., Madison County, Iowa.

What do other farmers think? —Editor.

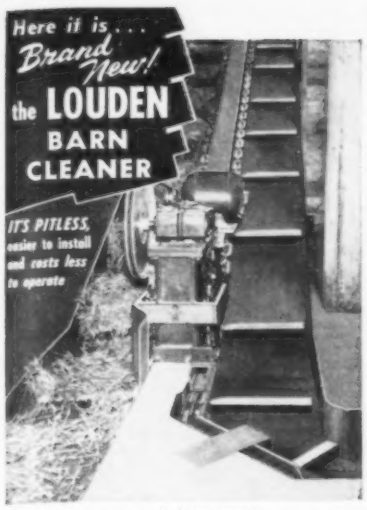
Sorghum Maker



Sorghum-making is an art, and experts are not too common. One such expert is Elmer Reinig, who has a small sorghum mill on his farm in Tama county, Iowa. Each fall, he cooks down sorghum in 30-gallon batches for himself and neighbors.

To make sorghum, stalks are cut with a corn knife and stripped into "canes." These go thru juicing rollers at the mill, and the juice then is cooked down. This is where an old-timer's skill is needed. Too hot a fire, or cooking too much or too little, can ruin a batch of sorghum in no time.

Tho this year was a little dry for corn, Elmer Reinig says it was just right for sorghum. In the picture above, Elmer skims a batch of sorghum as Carl Mason looks on.



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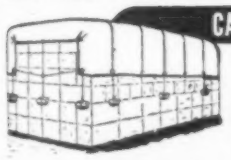

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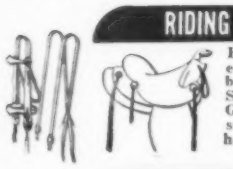

English & Western saddles, bits, bridles, spurs. Stable blankets. Girths. Caveson sets. Other fine horse equipment.

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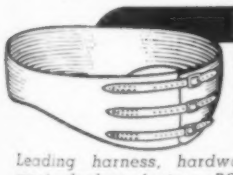


A practical necessity for farmers, tractor users. Strengthens back. Protects vital organs from jolts. All leather.

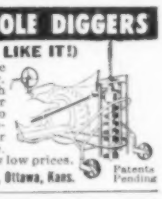
Leading harness, hardware and implement dealers feature BOYT items. For free catalog, write The Boyt Company, Box 1355-K, Des Moines, Iowa.

BOYT CRAFTSMEN IN LEATHER AND CANVAS WHERE STRENGTH IS REQUIRED

OTTAWA POST HOLE DIGGERS

(THERE IS NO OTHER LIKE IT!)

Prices from $99.50 up. The digger you have been waiting for. Quick hitch to any tractor with power take-off. Fastest power auger return. Heavy hi-speed two flight auger. Safety clutch prevents damage, eliminates shear pins. Strictly one-man machine. Write today for digger facts, new low prices.



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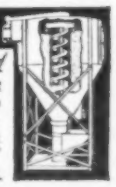
OTTAWA MFG. CO., 5-907 Elm St., Ottawa, Kans.

SAVE UP TO $16 a Ton

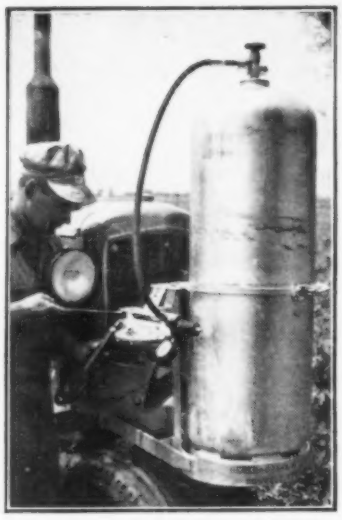
BROWER *Whirlwind* FEED MIXER



Easy to use. 3 sizes . . . mixes 700 to 3000 lb. batches in 10 minutes. All steel, lasts for years. Over 8000 in use. WRITE for catalog today.

EASY TERMS

BROWER MFG. CO., Box 8362, Quincy, Ill.



This strange-looking contraption is tractor converted to use bottled gas. Willis Hinkson, Henry county, Iowa, switches back to gasoline in jiffy by turning pet-cock.

Can He Use 2,4-D In Seeding?

To the Editor: We have a 17-acre field that we want to seed to alfalfa and red clover. We don't know whether to sow flax or oats along with the seeding next spring. In the past, weeds have just about taken the flax. Would it be safe to use 2,4-D in the flax?—O. N., Wright County, Iowa.

A legume seeding is a risky place to use 2,4-D. Alfalfa and sweet clover are very susceptible. Red clover is more resistant. If you do have to spray, you would probably kill the alfalfa.

If you seed to red clover and have to spray, use not more than one-fourth pound of amines or salt and not more than one-eighth pound of ester per acre. Apply at low pressures. Heavy weed growth and leaves of the crop may protect the red clover plants so they will survive moderately well. These are Iowa State College recommendations.

Better sow oats if weeds will be a big problem in your field.

What Legume For Green Manure?

To the Editor: We are going to sow a legume for green manure next spring, and plan to turn it under the following fall. Under these conditions, which legume would be best to sow? — W. O., Washington County, Nebraska.

If you have to plow in the fall, you should consider sowing hubam clover. Hubam is an annual which was developed for the grain farmer who needed a legume to plow under the same year that he sowed it.

When used for green manure purposes alone, sweet clover is about twice as effective as the other clovers. But, to get the most advantage from its nitrogen-fixing powers, it should be plowed as late as possible in the fall, or about the last of April.

Spring plowing is better. Sweet clover is hard to kill when plowed the fall following planting. You probably would have some regrowth the next spring.

Cost of seeding the two legumes should be compared, of course. Either hubam or sweet clover is good for green manuring purposes. Sow the cheapest one.

SAVE DAMAGED CORN

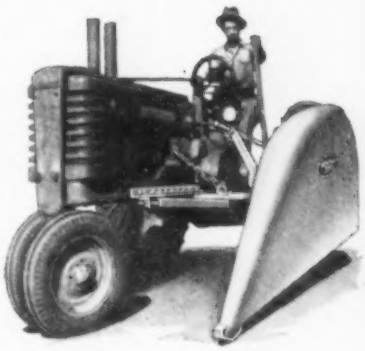
with the New KOYKER Corn-Saver-Shield

Now it's easy to pick corn "down" from wind, corn borer, and root rot damage. The Koyker Corn-Saver Shield does it for you.

It rides over the rear tractor wheel in front of the picker. Its long snout slides under fallen, bent, and leaning stalks. It straightens them up and disentangles them.

The Shield then guides corn into the picker or into the next row to be picked. It nearly eliminates trampling. It can pay for itself in a half day in corn saved!

Order today from implement dealers, or direct. Production limited. Price $47.45 F.O.B. HULL, IOWA. Specify right or left side mounting.



SAVES CORN blown down by wind or weakened by corn borers and root rot. Enables picker to get maximum number of ears. Picks messy fields clean.

the IDEAL COMBINATION for Storing EAR CORN and GRAIN in MINUTES with ONE MAN!

Koyker Elevator Equipment is the New, Easy Way for One Man to load and unload Ear Corn, Grain, Shelled Corn, Soy Beans, Potatoes and many other hard to handle items.

1 Portable Elevator . . . all-steel, spring mounted, rubber tired, powerful gas engine. One man operation. Elevates up to 18' at speeds from 15 to 60 bu. per min.

2 Tilting Hopper . . . edge only 11" high, allows maximum body dump. Attaches or detaches to elevator in seconds.

3 Roof Extension Elevator . . . permits portable type to load into high bins. Powered through and attaches to upper end of elevator.

4 New Hydraulic Wagon Hoist . . . pump can be powered by elevator engine, making complete One Man Operation for storing grain and corn.

for Complete Details and Prices See Your KOYKER Dealer or write to:

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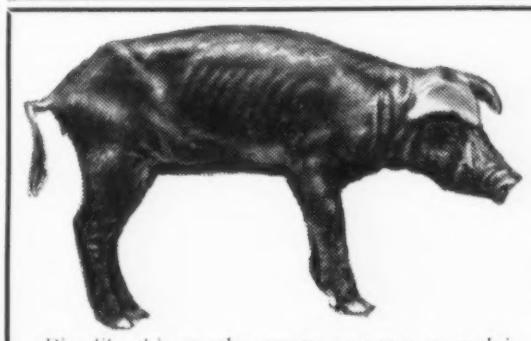

If you have pigs like this...

Pigs like this or other runty, scrawny, poor-doing unthrifty animals are usually the result of Necro and can be made profitable market animals by proper use of the Master Medicated Grain Treatment. Only 1 gallon required for about every 20 head. Results are guaranteed or money back. Let Master Medicine prove to you that these problem pigs can be put back on the road to market and finished as regular market hogs in just 3 weeks. This inexpensive farm-proved medicine will turn losses into profits. Get yours today at your local Master Dealer or order direct.

MASTER *Liquid Hog Medicine*

1 Gal...$4.50 2 gal...$8.50 3 Gal...$12.50 5 gal...$19.50 10 gal...$37.50

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Easy Way TRACTOR HITCH

Saves Time, Money, Labor and Helps Prevent Accidents

- Self Locking feature eliminates getting off and on tractor. Pick up rod included.
- Has positive safety lock for highway travel.
- Small, yet sturdy, used with any trailing implement. Weight 10½ lbs.
- Implement pin cannot come out of hitch unless released by operator.
- Made of finest steel. Case hardened latch. No exposed springs. Easily disassembled.
- Designed for shortest possible turning radius.
- Farm Implements can be coupled from any angle of approach.
- **ONLY $8.95** PICK UP ROD INCLUDED

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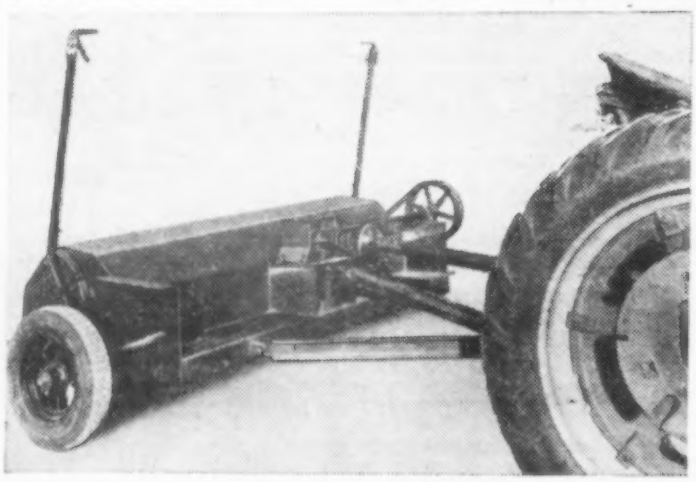
DEALERS: Write today for complete information and prices.

CHAS. G. WALTERS MFG. CO., Dept. W-10, STORM LAKE, IOWA

Amazing New Machine

KNOCKS OUT CORN BORERS



ROTO-BEAT CORN STALK PULVERIZER

Rids Fields of Corn's Greatest Enemy!

Now!—an amazing machine that pulverizes corn stalks in the field and gives the quick knock-out to corn borers! It's the ROTO-BEAT—a sturdy, ingenious implement that is easy and cheap to operate—pulverizes stalks into mulch—cleans out borers the quick, sure way.

You can use the ROTO-BEAT in your fields this season. Plow under every shredded particle of stalk, thus preserving soil fertility—and start out next season with your soil free of corn borers—corn's greatest enemy.

ROTO-BEAT is easily adjusted to fit conditions of various fields. Attaches to any power take-off tractor. Ruggedly built of best materials for long service. Highly praised by farmers and county agents.

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Send me a FREE Folder and the low price on the ROTO-BEAT Corn Stalk Pulverizer.
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Nail Keg with ends out is fitted between feed mill and hole in floor to spout ground feed from mill to bins below. It's idea of Floyd Cluff, Henry county, Iowa.

More Milk From Barn-Cured Hay

Cows fed barn-cured alfalfa hay produced more milk than those fed field-cured alfalfa from the same cutting, in tests at Virginia experiment station.

In 28-day trials, using 12 cows, the cows fed field-cured hay produced 178.9 pounds of milk per day. Those fed barn-cured hay turned out 183.9 pounds per day.

Researchers also found that barn-cured hay had a 20.16 per cent protein content, compared with 17.59 per cent for the field-cured hay. Average carotene (Vitamin A) content of barn-cured hay also was considerably higher than that of field-cured hay.

Birdsfoot Trefoil Rates High

The new legume, birdsfoot trefoil, gets a high rating from agronomists at the University of Illinois.

Birdsfoot, they say, definitely belongs in the "green-gold" class, along with such standard legumes as alfalfa and red clover. In Illinois tests, birdsfoot has been averaging a little more than 17 per cent protein, or 344 pounds of protein per ton of dry hay. That's exactly the same as alfalfa.

Its protein content, plus 64 pounds of minerals per ton of dry hay, makes birdsfoot the equal of alfalfa in feed value, a little better than red or alsike clover, and much better than lespedeza.

Birdsfoot trefoil is a perennial that keeps growing year after year without reseeding. It will stand heavy pasturing and recovers quickly. And it will grow on sour land, tho it does much better on limed and fertilized soil.

Drug Helping Control Anaplasmosis

One of the anti-malarial drugs, quinoline diphosphate, is giving 90 per cent control in anaplasmosis infected cattle in research tests at Oklahoma A. and M.

Dr. Herman Farley, reporting on the tests, says that death losses in untreated infected cattle are high. No drug yet tested has kept the animals from becoming carriers of the disease, even if they recover, he reported.

DANGER!

In Drying GRAIN

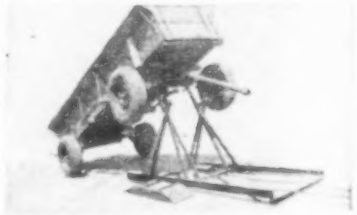
Be careful if you dry grain with a portable drier this fall. Many fires have resulted. Check these points. Be safe instead of sorry.

- **Dry grain in field as long as possible. Test for moisture—artificial heat may not be necessary.**
- **Use only driers that operate electrically and AUTOMATICALLY, with oil burner, gas, or stoker.**
- **Be sure blower and heater run from same electrical circuit.**
- **Prevent overheating, with thermostats set at not over 125°F. and have someone on duty whenever drier is running.**

Get a special drier permit from your Fire Insurance Company. Your *insurance is suspended* unless you use approved equipment and get a permit.

FARMERS MUTUAL REINSURANCE COMPANY
L. G. KEENEY, Secretary
GRINNELL, IOWA
SERVING FARM MUTUALS

Farmers Who Own One Say There Is None Better!



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WAGON HOIST
For Trailers and Four-Wheel Wagons

Flat on ground when lowered. Truck or tractor pulls wagon or trailer right over Hoist, unwrapped and is hitched to Hoist cable. It pulls about about 12 ft. and front axle is raised by winch action without moving rear wheels. Locks with pin. No anchoring—easy to move—use anywhere. No posts, chains or cylinders. Nothing to wear or get out of order. Wt. about 360 lbs. Write for circular. F.O.B. factory **ONLY $116.00.**

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Mfrs. of Auger, Chain and Bale Elevators

ROLL or UNROLL WIRE FAST-EASY WITH A RAPID WIRE REELER

Roll or unroll barb wire, check row or smooth, stay—at speeds up to 20 m.p.h. Quickly bolted to any row crop tractor. Double acting clutch keeps wire tight. Only one reel required. Fully guaranteed.

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ALLMAND "Deluxe" "250"
"Powerful Farm Welder"
New model—new low price
Easy striking ARC—wide range of work, inexpensive to operate, fully guaranteed 10 year protection, plant, farm, soldering, metal, general cutting, top-notch quality product. FREE. 50 ft. electrod rods if your order is received during sale. Write for literature. Salesmen and Dealer inquiries invited.
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FARMER'S WOOL made into blankets, batting, robes and yarn. Wool getting washed and carded at home into blankets. Circular free.
MONTICELLO WOOLEN MILLS, Monticello 6, Wisconsin.

5 doctors prove this plan breaks the laxative habit

If you take laxatives regularly—here's how you can stop!

Because 5 New York doctors now have proved you may break the laxative habit. And establish your natural powers of regularity. Eighty-three percent of the cases tested did it. So can you.

Stop taking whatever you now take. Instead: Every night for one week take 2 Carter's Pills. Second week—one each night. Third week—one every other night. Then—nothing!

Every day: drink eight glasses of water; set a definite time for regularity.

Five New York doctors proved this plan can break the laxative habit.

How can a laxative break the laxative habit? Because Carter's Pills "unblock" the lower digestive tract and from then on let it make use of its own *natural* powers.

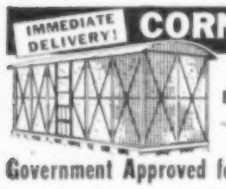
Further—Carter's Pills contain no habit-forming drugs.

Break the laxative habit . . . with Carter's Pills . . . and be regular naturally.

When worry, overeating, overwork make you irregular temporarily—take Carter's Pills temporarily. And never get the laxative habit.

Get Carter's Pills at any drugstore for 33c **today.** You'll be grateful the rest of your life.

IMMEDIATE DELIVERY! CORN CRIBS



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Easy and Quick to Erect
Low Cost

Government Approved for Sealing Corn

Crib your extra corn to feed more livestock—store it to get higher prices later. Extra profits should pay for crib first year!

Quickly, easily assembled. Sturdy steel bracing, lined with ½" hardware cloth. Heavy corrugated galvanized roof. Built to last for years. Rat, mouse and bird proof. Large capacity.

Capacities from 500 bu. and up. Write or call today for new low prices. Immediate delivery.

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STA-RITE WATER SYSTEMS

BETTER QUALITY, LESS MONEY

A complete line of deep well and shallow well pumps and water systems. Hundreds of thousands in use the country over.

Write **STA-RITE PRODUCTS, INC.**
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Cook Picking Beds PICK CORN CLEAN!

. . . in any weather!

The Cook Picking Bed permits you to run snapping rollers closer together, allowing them to snap more ears and save you around 80 per cent of the shell corn ordinarily lost in the field. Clean corn dries faster, shells easier. Field tested for 5 years. Easy to install, nothing extra to buy, shipped complete.

Save time, money and corn with the Cook Picking Bed.

Also makers of Tiger Rubber Husking Rolls for most makes Cornpickers.

FOR MODELS "P" CASE and G. I. Cornpickers

Write today for Free Literature

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For Sale or Lease

This 100 H.P. machine has extra large capacity at fine or coarse grinding. Quick delivery, new or rebuilt units with engine, belt, pneumatic feeder. Will lease complete units monthly rent without investment or expense. Buy later if desired.

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We live up to our reputation of paying highest prices for **NEW GOOSE and DUCK FEATHERS.** Ship today, checks mailed same day feathers are received. We also buy old feathers; send sample for price quotation.

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DO 10 hrs. WORK in 7 hrs.

IT'S IN HERE

9 SPEEDS FORWARD with the M-W GEAR on your FARMALL H or M Tractor

- Converts tractor to 9 speeds forward.
- Sacrifices no standard equipment.
- Gives forced lubrication to pilot bearing.

With the MW gear you still benefit by all the power of the 4 standard forward speeds, and also can shift on up to approx. 6, 8, 10, 12 mph. in the field, enabling you to finish work days in advance of your neighbors. The MW gear **does not change road speeds** or interfere with any standard working capacities of tractor.

Location of MW gears in transmission.

Rod and lever only outside addition.

New Pump Saver Coupling

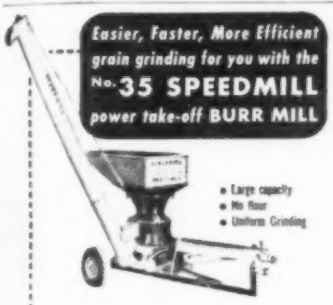
Because it takes so much time and labor to disconnect Farmall "M" Hydraulic Pumps many farmers do not do it. The M-W **Pump Saver Coupling** can be coupled or uncoupled in less than 10 min. Eliminates 50% useless wear from idle running. Hydraulic Pump is then used only when needed on the job. Pump life and efficiency increased many times. For use on Farmall "M" tractors.

Write for literature and name of nearest dealer.

M-W GEAR COMPANY

Dept. 5 ANCHOR, ILLINOIS

Easier, Faster, More Efficient grain grinding for you with the **No. 35 SPEEDMILL** *power take-off* **BURR MILL**



- Large capacity
- No flour
- Uniform Grinding

Here is the machine for the cattle feeder who wants large capacity and uniform grinding. Ideal for ear corn, it operates without chains, does not clog and is portable. No longer is it necessary to haul the grain to the mill. Equipped with safety shear pins and Timken bearings, it is the ideal machine for you. Come in and see it

SPEEDMILL MANUFACTURING CO.
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NOW **$59.95**

BRAND NEW WINKLER OIL HEATER

- Large size keeps 5 rooms warm on coldest days. 50,000 BTU's. Underwriters approved. Brand new in original crates and factory guaranteed. 47" high, weight 150 lbs. Thousands sold at $139.50. Factory surplus now only $59.95 FOB Minneapolis.

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Tired Kidneys Often Bring Sleepless Nights

When disorder of kidney function permits poisonous matter to remain in your blood, it may cause nagging backache, rheumatic pains, leg pains, loss of pep and energy, getting up nights, swelling, puffiness under the eyes, headaches and dizziness. Frequent or scanty passages with smarting and burning sometimes shows there is something wrong with your kidneys or bladder.

Don't wait! Ask your druggist for Doan's Pills, a stimulant diuretic, used successfully by millions for over 50 years. Doan's give happy relief and will help the 15 miles of kidney tubes flush out poisonous waste from your blood. Get Doan's Pills.

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350 Cuts Per Minute—cuts them down, saws them up, one man operates. Thousands in use, stiff heavy blade, built to last a lifetime, safety clutch control, uses power take-off of any tractor. Low price. OTTAWA MFG. CO., 2-907 Forest Ave., Ottawa, Kan.

AGENTS WANTED: To sell direct to farmers new electric seat warmer for tractor seats. Nothing like it on the market. Sells easily when demonstrated. Write for complete details and territory desired. Lee-Tric Mfg. Co., 2408 Lewis St., Blue Island, Ill.

SAVE YOUR LIFE!

Are you smarter than a corn picker? Here's the story of one man who wasn't. It's told by N. J. Wardle, farm safety specialist, Iowa State College.

"PICKING is getting tougher every day," Frank observed, as he pushed back from his husky breakfast.

"Getting out this early should help," said the missus.

"Yeh, but not too much. Send one of the kids out with a sandwich and drink in a couple of hours, Sarah."

Frank hurriedly left the house in the dim morning light. He kicked the grass by the walk, and noted with satisfaction that there was considerable dew.

Soon he was in the field with the picker going and the ears dropping into the wagon. Corn was holding together good.

"If I can just get a half-dozen or so days like this, I can be thru."

There was no clogging at first. But, as the morning progressed, the stalks broke easier and easier, and more and more of them went onto the husking rolls. Many times, Frank stopped the machine and patiently cleaned out the rolls. His patience began to wear down.

"Why can't I leave the machine running while I clean it out? It would be faster that way. I'll keep away from the rolls, only touch the stalks or husks."

Frank tried it, and it did take less time to clean out the husking rolls. A time or two, the rolls nearly caught one of Frank's gloves, so he took them off.

Frank began to wonder why he had ever stopped the machine to clean it out. Sure, it was dangerous. But so are many other things. It is all in knowing how to do it.

Then it happened. His hand was in the rolls. One moment, he was pulling on a stalk at least two feet long. The next moment, the stalk had disappeared and Frank's hand was in the rolls.

How did it happen?

It happened because Frank forgot how fast the rolls travel. In fact, the rolls of the modern machine can jerk in a stalk, stick or lath of 36 inches in less time than the average person can react.

Frank learned his lesson the hard way. In fact, it cost him one hand, $1,600, and 170 days' time to learn never to clean out the corn picker rolls while the machine is running.

Remember: Be Alert! Don't Get Hurt!

"Mom! I'm home!"

"POWER OPERATION"

-GIVES YOU THE BEST VALUE -DOES THE MOST FOR YOU

MODEL 100 — PATENTS GRANTED AND PENDING

Cobey POWER DRIVEN Spreader

POWER OPERATION gives you top performance—12 months out of the year over snow, ice or mud. The Cobey Spreader works perfectly over any surface which permits your tractor on the field.

POWER OPERATION gives complete shredding. High-speed shredders, driven direct from tractor power take-off, makes it the only spreader which really shreds the manure. Fine shredding means the best fertilizing benefit; stops clogging of tillage tools.

POWER OPERATION gives better spreading control. Eight speeds permit exact amount of manure best for your soil needs. Ideal for spot spreading. Spreads perfectly, even when spreader is standing still.

COMPETITIVE TEST PROVES COBEY BEST!

Tested with three competitive spreaders, the spread pattern of the Cobey was easily distinguished by its finely shredded manure and wider, more uniform distribution.

Remember, the Cobey Power-Driven Spreader gives you the best value--and does the most for you!

THE PERFECTION STEEL BODY CO.
Dept. W-109 Galion, Ohio, U. S. A.

TRADE MARKS REG. U. S. PAT. OFF.

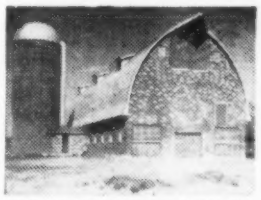
Cobey FARM EQUIPMENT — The most practical units in the world for farms and ranches

THE PERFECTION STEEL BODY CO.
Dept. W-109 Galion, Ohio, U.S.A.

Please send me complete information on items checked.

- ☐ Power Driven Spreader
- ☐ 31-A, Dump Wagon
- ☐ 21-A, Hi-Speed Wagon
- ☐ 11-A, Wagon Gear
- ☐ Utility Wagon Boxes
- ☐ 2-Wheel Trailer
- ☐ 2-Wheel Tilting Platform Wagon

Name _____
Address _____
City _____ State _____



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FIRE-SAFE Clay Face Tile assures protection for stock and equipment. You save on insurance costs!

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Cost Less To Own!
Give Better Service!

Clay Face Tile Can't Burn, Can't Warp, Can't Rot

Fire-safe Face Tile Farm Buildings are sanitary, easy to clean. Maintenance is at a minimum . . that means less cost, less work. Add beauty and value to your farm . . get the facts on economical Face Tile Farm Buildings . . . ask your local lumber dealer.

Only Hard Burned CLAY DRAIN TILE can safely be used in alkali and acid soils. Durable, and dependable Clay Drain Tile PAYS for itself!

Structural Clay Products Institute
Iowa-Minn.-Region, Dept. W1015, Ames, Iowa

Please send me the following booklets:

- ☐ FREE Tile Drainage For The Farm
- ☐ FREE Plans For Modern Clay Tile Farm Buildings.
- ☐ Your New Home (includes 15 plans) Enclose 25c.

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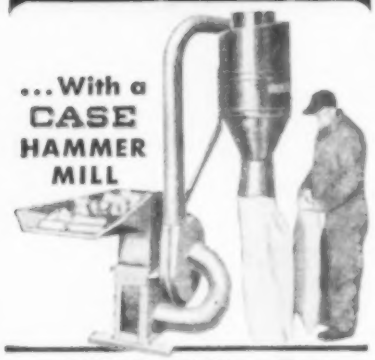
SAVE on FEED
Grind Your Own



. . . Pulls Feed Thru Fast
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You can meet today's need to cut feeding costs. Grind your own grain, add supplements, save high costs of shipping and handling feeds. Case hammer mills save time and power because their Hi-Suction fan gets ground feed out instantly—keeps hammers from "dragging their feet," grinds cooler, makes less powdery stuff. Eight keen edges on each hammer tip give 8-fold life. Three mill sizes, to suit every tractor; many screen sizes. See your Case dealer; send for folder. J. I. Case Co., Dept. F-80, Racine, Wis.

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bullet pump

It's not just that the F&W VARIJET gives 40% to 70% more water than other shallow well pumps of the same H. P.—the big thing is that it has extra capacity for emergencies and growing home and farm needs. And the F&W VARIJET needs less service, lasts longer because it runs *fewer hours* and runs *easier* to deliver the same amount of water.

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OPERATES ON POWER TAKE-OFF OF *ALL* TRACTORS AND JEEPS

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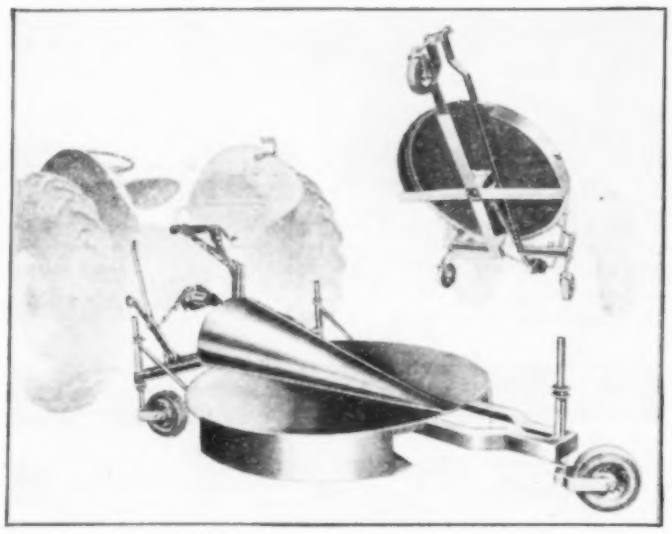
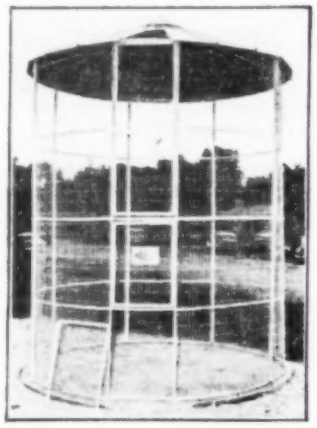
What's New?

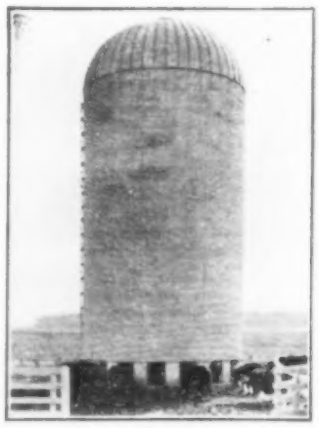


Combination mower and shredder is made to fit standard makes of tractors. Sharp edge on four fan-like blades is used for mowing and cutting. Blades are turned and dull edge is used to shred corn stalks. Takes two rows of corn and drives from power take-off. Made by Rocklin Mfg. Company.

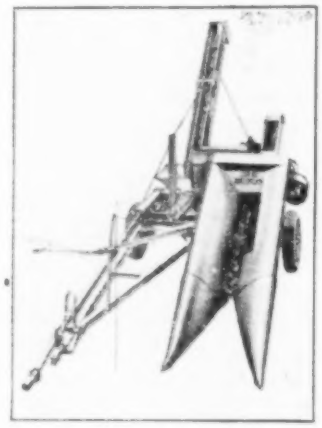
Dual-Purpose range has oven which can be used for cooking or for heating kitchen. Made for homes without ample year-around central heating. Uses two types of fuel, gas or solid fuel, separately or at the same time. With solid fuel fire, heat indicator shows exact oven temperature. Heat regulator controls gas fire heat. Made by the Majestic Manufacturing Company.



Corn Crib design provides for doors from the bottom to the top, so that the structure can be used for either ear corn or chopped hay. The shelling trench can be inserted in sections thru the lower door. Ventilators also have been provided for. Made by Habco Manufacturing Co.



Self-Feeding is a feature of this all-steel hay storage unit. No pitching will be needed after the unit has been filled with chopped hay. The partitions arranged around the base eliminate crowding by the animals. Manufactured by the Martin Steel Products Corporation.



No Chains to clog or jump off this corn picker snout. Cams driven by concealed cog wheels draw the stalks into snapping rolls. Cams are timed to push stalks into rolls. New lubricating system is also a feature of this machine, made by the Great American Farm Implement Corporation.

SAVE SEED AND HOURS OF LABOR

SEEDS LEGUME AND BROME-PULVERIZES AND PACKS THE SOIL ALL AT THE SAME TIME

Brillion SURE-STAND GRASS SEEDING PULVERIZER & PACKER SAVE SEED AND HOURS OF LABOR with the only machine that is two-seeders-in-one plus a seed pulverizer and packer. You actually can save 5 to 13 lbs. of seed per acre, as thousands of farmers have done in all parts of the country . . . and save hours of hard work, too, once over the field and you have a mulched seed bed without lumps or hard clods! While doing this you get a good catch—a "sure stand" . . . all these savings soon add up to paying its initial cost . . . and go on saving you money for many seasons, because Brillion SURE-STAND is made to last . . . to "take" today's high tractor speeds. There are 4 models to select from—made in 5' 3" and 10' 8" rolling widths.

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SAVE Hours of Time

"Greatest feeder ever built!" say hog men. It pays cost over and over again in time and feed. Wider at bottom, never clogs. Improved trough covers keep feed dry, any weather. Feed controls adjustable for all feeds. Feeds from both sides. All steel. Can't bulge. Easy to move. 55-bu., 30-bu., 15-bu. and 4½-bu. sizes.

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FOR STUMPS—ROCKS—DITCHES
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LABAWCO Pump has 1,001 year "round uses—house, garden, farm. Pumps 1½ GPM, or from 25' well, or 20' high. Uses ⅛ to ½ HP motor.

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Switching to Grain Drink can Help Young and Old

"I thought my shaky nerves were due to getting older. But my doctor blamed the caffein in coffee and suggested a switch to POSTUM. Now my nervousness is completely gone and I sleep and feel so much better!"

Are "coffee nerves" making *you* uncomfortable? . . . Jittery by day? . . . Sleepless at night? . . . Many people—young and old alike—have found the answer in switching from coffee and tea to POSTUM.

SCIENTIFIC FACTS: Both coffee and tea contain *caffein*—a drug—a nerve stimulant! So while many people can drink coffee or tea without ill-effect, others suffer nervousness, indigestion, sleepless nights. But POSTUM contains no caffein or other drug — *nothing that can possibly cause sleeplessness, indigestion, or nervousness!*

MAKE THIS TEST: Buy INSTANT POSTUM today—drink POSTUM exclusively for 30 days. See if POSTUM doesn't help you, too, to sleep better, feel better, enjoy life more! . . . INSTANT POSTUM—A Vigorous Drink made from Healthful Wheat and Bran—*100% caffein-free!* A Product of General Foods.

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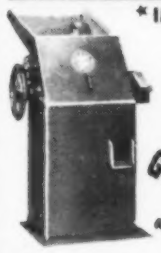

* IMPROVE DIGESTIBILITY
* ELIMINATE WASTE
* CUT FEED COST

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ROLLS CRACKS CRUSHES ALL SMALL GRAINS

AVOIDS DUSTING!

Cut your feed bill up to 50%! Improve feeding results! Every bushel of rolled feed produces more growth, more meat, more milk. Animals prefer coarser, dust-free, easily digested rolled grains, and eat it more readily. Rolling eliminates waste and digestive disorders due to dusting . . . requires less power, less labor, less time. With a low cost Farnam "Farm Size" Grain Roller you can roll grain as you need it and feed it fresh rolled, full of nutritive value.

10-DAY *Free Trial Offer!*

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TAT HOG-EEZ (Contains 50% BHC)

Kills sarcoptic mange mite, hog louse, and their eggs. Contains powerful wetting agent to assure penetration. One spraying sufficient. Equally effective for cattle. 1½ lbs.—$1.50 (makes 17 gals.)

TAT MANGE SPRAY (a chlordane colloidal solution)

Will not "break down" in sprayer, no agitating equipment needed. Controls sarcoptic and demodectic mange, hog and cattle louse. No objectionable odor, will not tint flesh of hogs. 6 oz.—$1.25 (makes 8 gallons)

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600 Show At Ak-Sar-Ben

MORE than 600 4-H youngsters showed fat lambs, dairy heifers, baby beeves and market hogs at Omaha's 1949 Ak-Sar-Ben

Iowa made its best showing in the beef division, which had classes for both steers and fat heifers. Hawkeye entries made almost a clean sweep of Angus and Shorthorn classes, but Nebraska Herefords copped the big share of the grand championship honors.

Grand champion steer was the Hereford shown by Howard Johnson, Dodge county. Reserve was Gene Eates' second-ranking Hereford from Cherry county.

Nebraska also had the two top fat heifer spots. Grand champion was a Hereford led by Raymond Popken, Cuming county. Harvey Reeson, also from Cuming, took reserve with his Angus.

Iowa broke into the grand championship circle with the top county group of five beeves. They were Angus from Madison county. But Nebraska took reserve with Cuming county's Herefords.

Iowa winnings in Angus and Shorthorns went like this: Leland Pitcock and John Godby, both from Madison county, had champion and reserve champion steers. Madison had best county group, with Shelby county in reserve. But Nebraskans showed the best black heifers.

In Shorthorns, Dean Hensley, of Taylor county, Iowa, had champion steer and Rodney Sornson, Audubon county, the best fat heifer. Reserve titles in both divisions, plus top titles in county groups, went to Nebraska.

In the market hog show, Iowans showed up fairly often in purple and blue groups, but took only three championships. Tom Livengood, Page county, had the show's best market litter and pen of three, and Page also won county group title. All were Hampshires.

But individual grand championship went to Nebraska. Betty Wuestewald, of Cuming county, broke precedent by winning top honors with her Hampshire gilt. Reserve was the Berk-Poland crossbred barrow shown by Lorance Forst, Seward county.

Nearly all individual breed honors went to Nebraska. In Durocs, Dwane Wegner, of Cuming county, and Willa Waldo, Saline, had the two tops. Polands were a clean sweep for Boys' Town, with Melvin Drayton showing the champ and Ray Rowenhurst the reserve.

In Hamps, Thelma Chase, Pipestone county, Minnesota, showed the reserve to Betty Wuestewald's grand champion gilt. Lauren Hermelbracht, Cuming county, Nebraska, showed the top Spotted Poland, reserve going to Walter Japp, Jr., Washington county.

Both top Berk honors went to Valdean Markussen, Dodge county, Nebraska. In Chesters, Bill Wrich, Washington county, had champion, and John Ohrt, Atchison county, Missouri, reserve.

Larry Geisselman, Washington county, Nebraska, took both York awards. Lorence Forst, Seward county, did the same in crossbreds.

All dairy and lamb championships also went to Nebraska.

WATER WHEN IT IS NEEDED . . . FROM A FARM POND

Typical farm pond, showing concrete weir notch spillway in background and at right.

More and more farmers—28,568 last year—are discovering the many advantages of a farm pond. It provides on-the-spot fire protection . . . water for livestock and irrigation . . . boating . . . swimming . . . even fish for the table.

Water may be obtained from springs, drainage areas or by damming up a stream. Excavating or filling can often be done with standard farm equipment. The run-off dam or spillway of concrete made with Lehigh Cement, is inexpensive and easy to build—and will last a lifetime.

Concrete is ideal for many money-making, money-saving farm improvements—floors, walks, flumes, water tanks, to name a few. Your Lehigh Dealer can start you right, show you how to keep costs down. See him next time you are in town.

2 men and a boy . . . in 2 days . . . with 19 sacks of Lehigh Cement . . . 2 cu. yds. sand and 2¼ cu. yds. gravel . . . with a concrete mixer . . . CAN BUILD A DAM LIKE THIS.

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Famous COMFORT Cover keeps you warm with engine heat.

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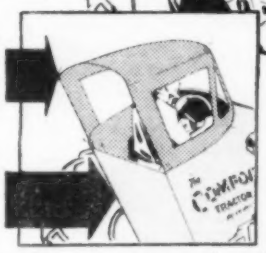
Back Panel helps keep in more heat. Optional at small extra cost.



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NEW LOW PRICE!

Cuts, Chops and Spreads the Stalks for

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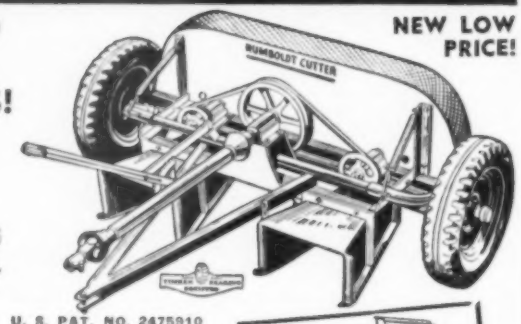

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Get the **HUMBOLDT** Power Driven Stalk Cutter now. The HUMBOLDT CUTTER has been **proven** and tested by thousands of satisfied users. It's the **first** in the field . . . and the most copied! Cut those stalks and plow them under **this fall.** The powerful vertical threshing action of the cutting knives or swinging hammers really pulverize those stalks resulting in clean plowing, better borer control and richer soil fertility. See the **HUMBOLDT** Cutter now! New Stalk Guide Attachment for special conditions optional.

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Ask him to explain and demonstrate the **HUMBOLDT** Cutter or write direct to the factory, **Dept. W-10,** for new colorful circular and borer information. Also ask about arranging free showing of new Silbaugh technicolor sound picture, "Profiteering Tenants." Deals with corn borers and their control. Interesting and enjoyable for all farm meetings, FFA and 4-H Clubs, etc.

FORD and Ferguson Tractor Owners—See the new **HUMBOLDT** Mounted **STALK CUTTER** designed exclusively for **FORD** and Ferguson Tractors at your nearest **FORD** dealer.

HUMBOLDT HYDRAULIC LOADER

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WITH THE BELT HARVEST-HANDLER Elevator

SPECIAL FEATURES

Removable 4-ft. midsection. Quick-detachable power unit. Rubber belt or chain and flights. Removable hopper sides. Aluminum-alloy construction.

Use lightweight Model "C" Harvest-Handler for moving feed, grain, ear corn in hammer mill, feed-grinding and corn-shelling operations, filling feed burks, cleaning chicken houses and for dozens of other cold weather chores. Model "C" weighs 119 lbs., 16-ft. length, 2 HP engine, 90 lbs. without quick-detachable power unit on rubber belt model, 95 lbs. on chain-flight model. Model "B" sells for less, performs efficiently where smaller capacity is required.

20-ft. Model "C" Harvest-Handler illustrated with 4-ft. mid-section in position.

Patent Pending

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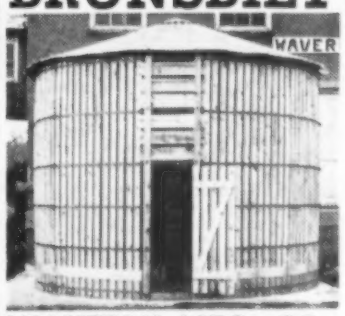
BRUNSBILT CORN CRIBS



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1000 Bu. $264.90
Cost Per Bu. Capacity, 26½c

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"The Perfect Pair" that will help you!

CONVENIENCE is the keynote of this booklet about closets. You'll find out how to get more usable space out of a small area than you dreamed possible. **"Closets for Convenience"** will also tell you how to remodel a big, old closet to efficiently use the most space . . . price 25 cents.

STEP-SAVING is the prime purpose of this booklet about kitchens. **"Cut Your Kitchen Mileage,"** will save you a lot of tiresome steps and save many minutes of your time. . . . It will give you plenty of useful ideas about how to plan and rearrange for most convenience . . . price 25 cents.

Order today from Home Making Department.

WALLACES' FARMER AND IOWA HOMESTEAD
Des Moines, Iowa

Farm and Feed-Lot

Pasture Cuts Cost Of Raising Hogs

You make more money from hogs if you give them plenty of clean legume pasture, reports M. L. Mosher, Illinois College of Agriculture. You cut down on grain consumption and on death loss due to parasites.

After studying records of 200 Illinois hog farms for the years 1936-45, Mosher found that the 60 most profitable farms used one-fourth more pasture and one-fourth more hay than the 60 farms that made the least money. They also used 45 less pounds of grain to produce 100 pounds of pork.

On farms with the most pasture, death losses after weaning were 18 per cent smaller.

How To Lay Concrete Grain Floor?

To the Editor: Is there a practical way to build a concrete floor in a granary so the grain will not get moldy?—C. E., Butler County, Iowa.

A concrete floor is very practical for a granary. It should be filled in underneath with coarse gravel or broken stone, so that the finished floor is at least eight inches higher than the surrounding surface.

Reinforce it both ways, to prevent cracking. Use a fairly rich concrete, with just enough water to make a stiff mortar. Give it a slope of one-fourth inch to the foot to the outside. And trowel it fairly smooth.

The floor should dry for six weeks before filling the bin with grain. Otherwise, use a board overlay for the first filling.

Fence Cattle Away From Pond

Look out for "stale-pond disease," warns a report from the American Foundation for Animal Health. "Many animal ailments have been traced to low water levels and contamination of farm ponds . . ."—says the report.

Stale pond water may bring about or intensify coccidiosis, stomach or nodular worms, mouth sores, kidney disease, algae poisoning and bloody scours.

Remove cattle or fence off ponds when the water-level drops or when scum on the surface indicates that your pond is becoming stale, the Foundation advises.

Wheat isn't a major crop in Iowa, yet scenes like these are more common than you might think. Quite a few farmers seed some winter wheat, as Mrs. Ralph Witt, Guthrie county, is doing in the picture above. Wheat is a heavy user of plant food, particularly phosphate. That's why the Witts run 200 pounds per acre of 0-20-0 thru the fertilizer attachment on their wheat drill (see picture below). Iowa State College also recommends nitrogen and potash at seeding time, more nitrogen in the spring, if soil tests show they are needed.

Corn Picker Blower
with amazing triple Jet Cleaning

Flash-O-Corn Picker Blower

Top Cleaning Power. Not just one . . . not just two . . . but THREE air jets blast away the husks, silks, trash. Permits greater shelled corn yields, easier drying. Easily installed; no holes to drill. For Wood Bros., Belle City, Massey-Harris pickers and other popular makes. Also available for corn snappers. Write for full particulars, dealer's name, etc.
Fischer-Schmid Corp., Dept. 29, Columbus, Nebr.

NEW! TRACTOR MOUNTED HOIST

Handiest Tractor Attachment. Rides permanently on tractor for instantaneous use on almost any lifting job. Ideal for dumping wagon or truck. Lifts heavy implements; hoists tractors, trucks for repairs. Does hundreds of farm jobs easier. Operates off tractor hydraulic pump. Lifting stroke, 6½ ft. Lifting capacity, 1,000 lbs. Installed in few minutes; no holes to drill. Does not interfere with other equipment. Write for full information, dealer's name, etc.
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BOOSTER SCOOP
SAVES THE SPREADER

- Inexpensive Attachment for Booster Buck
- Famous Booster Push-Off
- Positive Mechanical Action
- Adjustable Gauge Control From Seat of Tractor
- Weight Well Distributed

See the other Booster attachments listed below. All are of simple design with few parts and of exceptionally strong construction. The Booster Buck and these attachments will give you a lifetime of hard service.

- **Booster Dozer Attachment**
- **Booster Stack Breaker**
- **Booster Hoist and Speed Jack**

Write for name of nearest dealer
Booster Buck Mfg. Co.
DUNLAP, IOWA

Farmer's Friend FARM WAGON
RUNNING GEAR

With the exclusive "Weight Spreader" feature

- RUGGED. Heavy duty all-steel construction.
- HI-SPEED. Easy rolling behind truck, car or tractor.
- FLEXIBLE. Telescopic reach and adjustable body widths.

Engineered by one of America's oldest and most reliable farm equipment manufacturers for years of trouble-free use. Write for literature and quotations.

Made by G & D MFG. CO.
DEPT. E-39, STREATOR, ILL.

WORMY PIGS? Doctor Hinrichs' Hog Powder. Fed in feed. No starving. 5 lbs. $2 Postpaid. HINRICHS REMEDY CO., WALCOTT, IOWA

Wall of Joe Virden's new barn in Henry county, Iowa, is well braced against erosion or settling by these stout concrete buttresses.

Ventilator Keeps Barn Dry

Best way to avoid a wet, uncomfortable barn this winter is by installing a good ventilation system this fall.

Electric ventilation, says Arthur Schulz, North Dakota State College engineer, is easier and cheaper to put in, and will do a better job than a gravity system in most barns.

An electric ventilation system consists of small fresh-air inlets located at ceiling height and spaced evenly around the barn. One or more electric fans are installed in side walls, usually on the south or east side, to blow out foul air.

A thermostat in the fan circuit automatically turns on the fan when ventilation is needed and turns it off when the building has cooled down.

First step in good ventilation, says Schulz, is a well-insulated and tight barn. That's because warm air can hold more moisture than cold air. So air brought in by the ventilating system must be heated by warmth from livestock. Too much of this heat is wasted if the barn isn't tight.

Costs Money Not To Lime

You're losing money if you don't put limestone on acid land, says Clyde Linsley, University of Illinois agronomist.

Based on tests in Hancock county, Illinois, Linsley figures the cost of not liming like this:

On 160 acres of unlimed land, crops would be worth $2,826. With lime and clover, crop income would be $3,876. That's a difference of $1,050. Figures are based on 1911-1937 average crop yields, figured at conservative values.

Three tons of lime per acre, at $2.50 a ton, and lasting 12 years, would cost $100 a year. Subtract this from the $1,050 extra income from limed land.

That's a net profit from liming of $950.

NO POWDER was ever invented that could make as loud an explosion as that found on a man's coat lapel.—Guthrie Center Guthrian.

IT'S ADMIRABLE to fight for a principle—but be sure it's a principle, not a prejudice.—Mason City Globe-Gazette.

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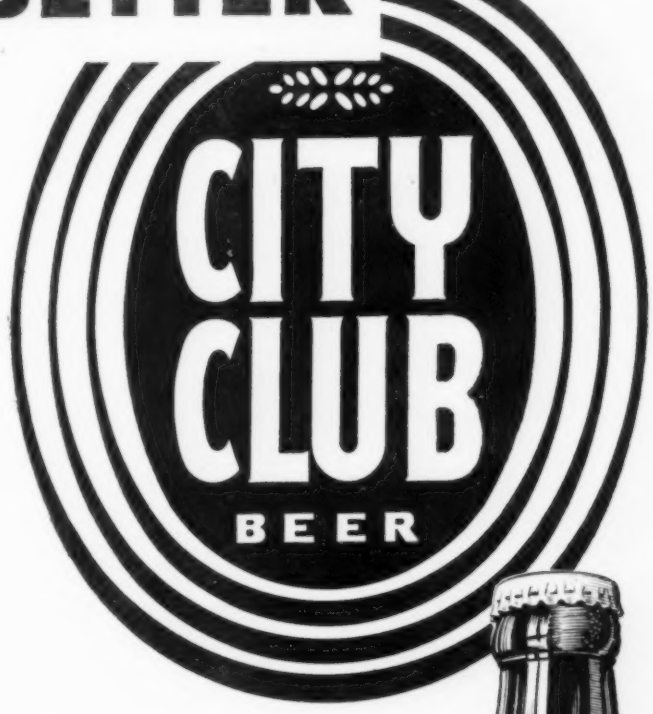
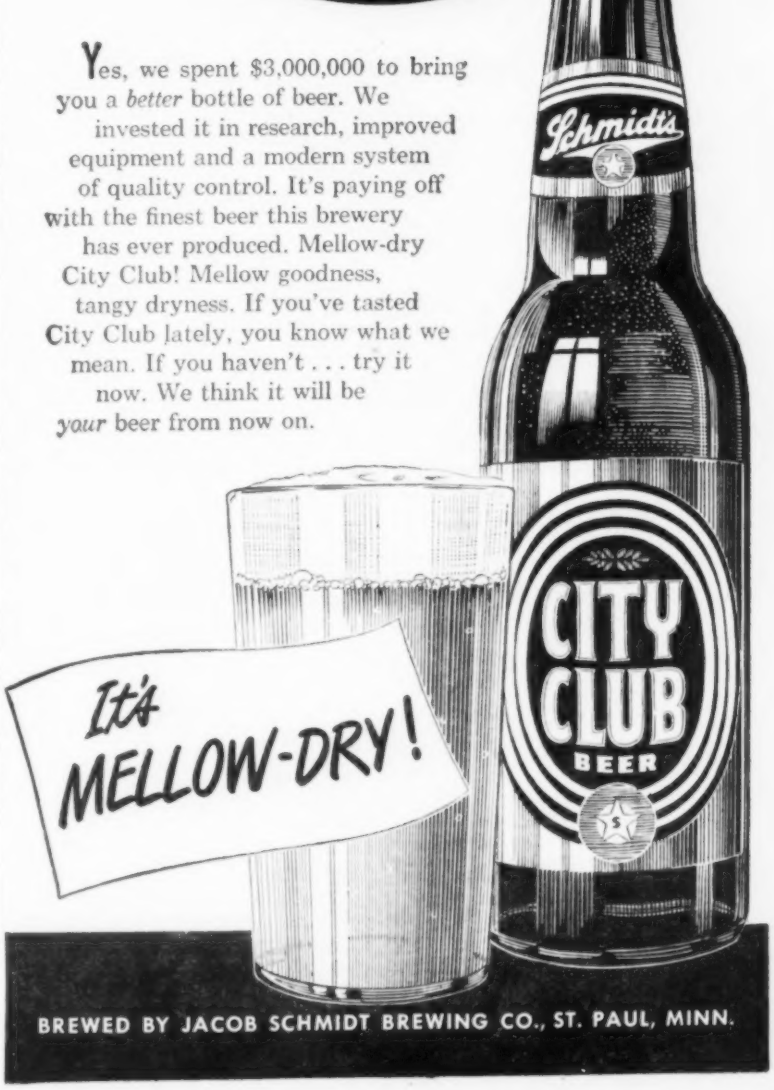
$3,000,000
to bring you this
BETTER



Yes, we spent $3,000,000 to bring you a *better* bottle of beer. We invested it in research, improved equipment and a modern system of quality control. It's paying off with the finest beer this brewery has ever produced. Mellow-dry City Club! Mellow goodness, tangy dryness. If you've tasted City Club lately, you know what we mean. If you haven't . . . try it now. We think it will be *your* beer from now on.



BREWED BY JACOB SCHMIDT BREWING CO., ST. PAUL, MINN.

ONCE IN A LIFE-TIME ★

An Opportunity to Select and Buy Foundation Animals from One of America's Greatest Herds

Maytag Dispersal

Sale at Auction

MONDAY AND TUESDAY, OCT. 31 - NOV. 1

Starting Promptly at Noon Each Day

★ **DES MOINES, IOWA** ★

In Sale Pavilion at Iowa State Fairgrounds

150

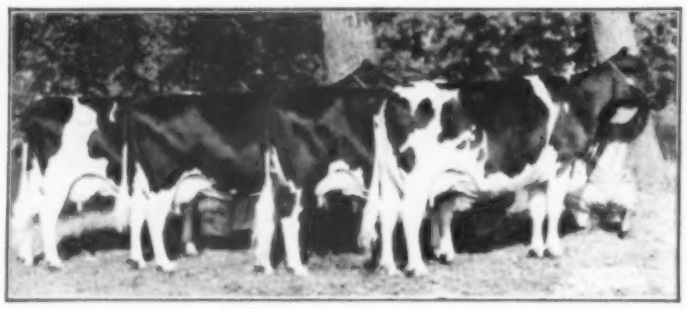
REGISTERED HOLSTEIN-FRIESIANS

Developed in more than 30 years of breeding

1949 IOWA STATE FAIR WINNERS SELL

★ At left, **MAYTAG DICTATOR PONTIAC LASS**, "Excellent," 1st Prize 4-year-old, Senior and Grand Champion. By Maytag Ormsby Fobes (Gold Medal), from the famous "Pontiac" Family. At right, **IOWANA ORMSBY LASSIE**, First Aged Cow and First Best-Uddered-Cow. By Sir Ormsby Fobes Dictator. Both are "Bred-in-the-Purple." ★

THE GREAT SHOW "GET" BY "DICTATOR" . . . ALL SELLING!



★ Above is the "Get of Sire" for **Sir Ormsby Fobes Dictator**, shown by **Maytags** at 1948 Dairy Cattle Congress. They and more than a dozen of their sisters are all selling. Other "Gets" of "Dictator" have won in major show competition from 1938 to the present day. Pair of black cows in center were **1948 All-American "Produce of Dam,"** both from the famed "Pontiac" Family. ★

For complete details see large illustrated ads in Aug.-Sept.-Oct. issue of Holstein-Friesian World.

Catalogues: 50c each by Special Mailing, October 20

Sale Under Management of

A. W. PETERSEN & ASSOCIATES, OCONOMOWOC, WIS.

"You Get More for Your Money in Wisconsin"

WISCONSIN HEREFORD ASS'N

At University Stock Pavilion

MADISON, WIS., SAT., OCT. 29th

16 BULLS — 59 FEMALES

Judging of cattle at 8:30 A. M.—Sale at 12:00 Noon

Fourteen of the leading breeders of the state are consigning an outstanding offering. It has been proven in the past and it will be true again that buyers get more quality and breeding for their money than at any other sales point. The females are a young, useful lot, none of which are over 2½ years. 26 of them are bred and the rest are open heifers mostly all over one year. The bulls are practically all of serviceable age. This is an opportunity to buy one or a truck load at your prices. Plan to attend this event. Write today for **FREE** catalog and kindly mention this paper.

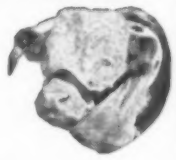
HOMER GRABER, Secy., MINERAL POINT, WIS.

Maurice Boney, Fieldman

—START SAVING NOW THE EASY U. S. SAVINGS BOND WAY—

NORTHEAST

MISSOURI HEREFORD ASSN.



In comfortable new pavilion at Fairgrounds on Nos. 4 and 15, west edge of

MEMPHIS, MISSOURI

1:00 P. M.

FRIDAY, OCTOBER 28th

65 HEAD — 14 BULLS, 51 FEMALES

A number of these good herd bull prospects are ready for service. The females will include a number of cows with calves at side . . . the calves would be ideal for 4-H work. Bred and open heifers with plenty of quality and backed up with good pedigrees. Some of the open heifers would also be excellent for club work. The cattle are consigned by good reliable breeders and include the following:

W. E. Roberts ..... Troy, Iowa
H. W. Roberts ..... Lancaster, Mo.
Thompson & Shores ..... Shelbyville, Mo.
Norris E. Gaffney ..... Memphis, Mo.
G. R. Breidenstein ..... Kahoka, Mo.
J. J. Early & Sons ..... Baring, Mo.
Ted & Madge Anderson ..... Knox City, Mo.
Chas. Walker & Sons ..... Williamstown, Mo.
S. Burns & Son ..... Pulaski, Iowa
Oscar Woods ..... Princeton, Mo.
B. M. Burns ..... Milton, Iowa
Charles H. Cook ..... Downing, Iowa
G. E. Leslie, Jr. ..... Memphis, Mo.
J. W. Dunn & Son ..... Greensburg, Mo.
Miller Bros. ..... Pulaski, Iowa
Dr. R. H. McCalment ..... Unionville, Mo.

This section of the country has produced some excellent Hereford cattle, and the buyers have always secured good values for their investments . . . this sale will be no exception. Make plans now to attend. Kindly mention this paper when writing for your **FREE** catalog. Address

G. E. LESLIE, JR., Secy., MEMPHIS, MISSOURI

Guy Pettit, Auctioneer — Maurice Boney, Fieldman

Complete Dispersal of a Famous Type-and-Production Herd

The ALFRED M. PAPER DISPERSAL

TB Accredited . . . Bangs Tested . . . Calfhood Vaccinated

Sale at Auction, Starting 12:00 Noon, Promptly

DAVENPORT, IOWA, MONDAY, OCTOBER 24th

At Mississippi Fairgrounds, West City Limits

60 REGISTERED HOLSTEINS

A 693-lb., 4.1% Matron, Selling

Complete Dispersal of the **Alfred M. Paper & Sons Herd**, of Stockton, Iowa, which for many years has been among the leading winners at Middlewestern shows.

13 years in HIR 2x testing. 1947-48 Ave. entire herd . . . **449 lbs. fat on 2x.**

See large illustrated ads in Oct. issues of Holstein-Friesian World.

Catalog: 25c each by 1st Class Mail.

Sale Under Management of

A. W. PETERSEN & ASSOCIATES

Oconomowoc, Wis.

Annual Calf Club Sale

CENTRAL ILLINOIS

Angus Breeders Association, Inc.

Comfortable pavilion, midway between Peoria and Bloomington, Illinois

Congerville, Illinois, October 26th

STARTING PROMPTLY AT 12:00 NOON

50 REGISTERED 1949 ANGUS HEIFERS

We produce and sell **CHAMPIONS.** The 1948 International Grand Champion female . . . was a **Central Illinois** Angus Association product. The 1949 Grand Champion Angus steer, at Illinois State Fair . . . was raised and shown by one of our members. We sell many winners each year. Here is a wonderful opportunity for **4-H** and **FFA** members to buy a winner. **PRIZES** will be given to buyers of calves which later win Grand Championships in County, State or International shows. Come. Ask for **FREE** information. Please mention this publication.

SIMON E. LANTZ, Secy.-Mgr., CONGERVILLE, ILLINOIS

DINGEL'S 2ND ANNUAL

SPOTTED POLAND SALE

Night Sale

In comfortable Fairgrounds Pavilion

SIBLEY, IOWA

MONDAY, OCTOBER 24th—8:00 P. M.

50 head of the best spring boars we have ever raised sired by **MASTERPIECE** and **TODAYS VIGOR.** Also offering a great litter by a son of **GRANDMASTER.** Many will weigh up to 350 lbs. by sale night. Included in our sale offering will be the junior spring pig which was named **GRAND CHAMPION BOAR OF THE BREED AT THE BIG CLAY COUNTY FAIR, SPENCER, IOWA.** Plan to attend and solve your boar problems. Kindly mention this paper when writing for **FREE** catalog.

KENNETH DINGEL, OCHEYEDAN, IOWA

Auctioneer, Charles W. Taylor

LIVESTOCK NEWS

A 18-lot average of $270 was made at Wiese Bros.' 29th anniversary Hereford sale, at Donahue, Iowa, September 28. The sale included a consignment from neighbors.

Top bull was Tama's Mischief, from the Clarence Paulsen herd. He sold for $450 to Earl Rix, DeWitt, Iowa. R. A. Jupiter, from the Roy Wiese farm, brought $400 and went to Marion Brown, Reynolds, Ill.

Top female was Phyllis Domino, an Earl Harring entry. She went to Cecil Johnson, Preemption, Ill., at $335. Susie Silver, a daughter of Silver Real, the Wiese herd sire, sold for $325 to Cecil Wilson.

The 40 lots brought an average of $270, with 16 bulls averaging $282 and 24 females at $260. Auctioneer was J. E. Halsey.

Five bulls sold at an average of $1,332 and 65 females brought a $501 average in the production sale of Angus cattle at Leslie C. Oliver's Bellevue Farms, Williamsburg, Iowa, September 22.

Under the management of J. B. McCorkle, the 70 lots sold for a total of $39,256 for an over-all average of $560. They went to buyers from Iowa (58), Illinois (5), Ohio (4), Missouri (1), Oklahoma (1), West Virginia (1).

Top was Prince Bellevue 2d, a son of Prince Sunbeam 29th. He sold for $4,000 to H. F. Krimindall, Celina, Ohio. Prince Bellevue 5d, by the same sire, sold for $1,550 to Woodbar Farm, Rockford, Ill.

Top female was Blackcap Bessie of Bellevue. She went to Milt Westcott, Bar Market, W. Va., for $2,550. Gammer of Bellevue 2d sold for $1,350 to Henry Bartenhagen, Columbus Junction, Iowa.

Top boar at the Iowa Hampshire Association show and sale, at Des Moines, Iowa, September 28, was Mischief Blender, produced by Anderson Bros., Riverton, Iowa. He sold for $450 to Carl Lettow, Iowa Falls, Iowa.

Champion gilt was Mischief Maid, litter mate to the top boar. She sold for $10 to Don Yuston, Webster City, Iowa. Milt Lucatis & Sons, Fort Dodge, Iowa, showed the champion boar. First Addition, which sold for $240 to Emery Riesenschneider, Pierson, Iowa.

Rollie Pemberton, secretary of the Hampshire Swine Registry, Peoria, Ill., was show judge. Wallace Lang, secretary of the Iowa association, managed the event. The 35 boars averaged $146, with 40 gilts at $96, and a 75-head over-all average of $120.

The joint Shorthorn sale of Swanson Bros., Estherville, Howard Hildreth & Son, Terril, and Martin Lulustra, Harris, was held at Estherville, Iowa, October 1. An average of $559 was paid for 9 females, with 13 bulls making $390.

E. D. Reser & Sons, Walla Walla, Wash., took six heifers, all daughters of Divide Defender 2d. They paid $1,500 and $1,250 for a pair of heifers in calf to Sandson Captivator, and $1,000 each for a pair of open heifers.

Top bull was a yearling son of Divide Defender 2d, which sold for $1,275 to William Boysen, Madison, Neb. Auctioneer J. E. Halsey sold cattle to buyers from Iowa, Minnesota, Nebraska, South Dakota, Montana, Washington and California.

Southwest Iowa Shorthorn show and sale, Red Oak, Iowa, September 26, made a 28-female average of $293, and a $270 average on 25 bulls. Thirty 4-H calves also were sold.

The champion bull, Brawith Corrector, shown by G. F. Gruss & Sons, Greenfield, Iowa, sold for $445 to R. E. Breckenridge, Winterset, Iowa. Reserve was Douglas Leader, a McCone Bros. entry, which sold for $350.

Champion female was Village Augusta, from the Price & Buch herd. She sold at $400 to Leroy Bashor, King City, Mo. The reserve, Ind-A-Clar Blossom, went at $500.

Royal Holz made the awards and Roy Illman managed the show and sale. J. E. Halsey was auctioneer.

The Southwestern Wisconsin Angus sale, at Lancaster, Wis., September 26, made an over-all average of $368 on 22 bulls and 14 females. Top price was the $625 paid by Rowe Stock Farm, Dodgeville, Wis., for Ensign of Page 48th, two-year-old bull consigned by Roy Weaver, Shullsburg, Wis.

Queen 6th of Grant River, yearling heifer from C. E. Blackbourn & Sons' herd, of Cassville, Wis., topped the females. She went to Paul Luety, Beloit, Wis., at $475. The cattle sold to Iowa, Wisconsin and Illinois buyers, with Gordon Bradley, Zwingle, Iowa, buying six head. Auctioneer was Hamilton James.

The Nelson & Paulsen Spotted Poland China sale, at Blair, Neb., September 27, attracted buyers from Iowa, Minnesota, Ohio, South Dakota, Illinois and Nebraska. An average of $121 was made on 39 boars, with 11 spring gilts averaging $90.

Sale top was the $410 paid by Maple-leaf Farms, Chapin, Iowa. Next was the $400 paid by Frank McDonald, Hopkinton, Iowa. Auctioneers were Taylor and Martin.

The Minnesota Shorthorn Breeders Association annual sale, at Marshall, Minn., September 24, saw a large crowd make a general average of $300 on 49 lots.

In the pre-sale show, Judge Floyd Clausen, of Spencer, Iowa, picked Mercury Duke, a son of Edellyn Mission Mercury, as champion bull. The champion, from the herd of Otto Hansen & Son, Walnut Grove, Minn., sold for $710 to Johnson Bros., Tyler, Iowa. Reserve champion came from the herd of Norman Findahl, Waterville, Minn., who again managed the event. His entry later sold for $500 to Kopp Bros., Madison Lake, Minn.

Champion female, also from the Hansen herd, sold to Neuschwander Bros., Big Stone City, S. D., for $560. Buyers from Iowa, Minnesota and the Dakotas paid an average of $283 for 26 bulls and $220 for 23 females. Auctioneer was J. E. Halsey.

Cattle breeders from 13 states were at Carroll, Iowa, September 30, for Robert A. Wright's Shorthorn dispersion sale. The cattle were sold in just breeding form, and included some rather old cows, the 82 lots made a general average of $316.

Wright's herd bull, Killearn Royal Max, went at $4,100 to W. V. Harshman & Son, Clements, Kan. Top female was Roan Lady 99th, and sold for $975 to Golden Oak Farm, Wauconda, Ill. R. A. Page, Chadwick, Ill., paid $935 for Victoria 121st and $950 for Roan Lady 122d. Roan Lady 110th and heifer calf sold for $910 to Henry Innis, Galesburg, Ill.

The sale was managed by Merv Aegerter and cried by J. E. Halsey.

Fifty lots averaged $379 in the P. A. Rasmussen & Sons Shorthorn sale, at Goldfield, Iowa, September 29. Top price of $1,050 was paid for a two-year-old heifer bred to Edellyn Marine Mercury. Edellyn Farms, Wilson, Ill., bought the daughter of Edellyn Royal Leader 29th.

Hubert Harrison, Coolidge, Texas, paid $975 for a two-year-old daughter of N U Gold Nugget. John Hooker, Merced, Calif., bought 11 bred heifers.

The 27 females averaged $399 and 13 bulls averaged $321. J. E. Halsey sold the offering, with cattle going to five states—Iowa, Illinois, California, South Dakota and Texas.

Top bull in the 68th Marshall County Shorthorn sale, at Marshalltown, Iowa, September 27, was Twin Pine Image, which sold for $500. Gold Chain Accent 2d, from the A. H. Fennern farm, went for $445 to K. D. Smith, State Center, Iowa.

Top female was Missie's Ermalee (and heifer calf), selling at $410 to W. G. Herold, Lime Springs, Iowa. Sally Karen went to W. P. Duncan at $330.

The sale was managed by George Lewis, with Clair Mason as auctioneer. Averages were $565.40 on 35 bulls, $250 on 33 females, and $116.45 on 21 4-H calves.

The Polled Hereford sale of Charles Hart & Sons, at Lenox, Iowa, September 26, brought an average of $623 on 12 bulls and $491 on 28 females, for an over-all average of $556.

Top price was paid for the four-year-old herd bull, Rollo Domino 12th. He went to Phil Linewebber, San Jose, Ill., at $2,250. Bulls also sold to Fory Doty, Burchard, Neb., at $730, and to J. K. Fennell, Allerton, Iowa, at $710.

Top cow was Lady Mischief A. 2d, which went to H. W. Pilkins, Burlington Junction, Mo., at $890. Miss Lassie sold for $830 to Frederick Gasper, Fairbury, Neb. Auctioneer was Fred Chandler.

The G. J. Schutzer Shorthorn dispersion, at Woden, Iowa, September 23, averaged $385 on 28 lots. Royal Leader 4th, by Edellyn Royal Leader 29th, topped the bulls, selling for $1,210 to Burrwood Farm, Peosta, Iowa.

Tops in the female division was a cow and calf combination. The four-year-old roan cow sold to Fred Kraft, Corwith, Iowa, for $275, and the white heifer calf to P. A. Rasmussen & Sons, Goldfield, Iowa, at $260.

Most cattle sold to Iowa buyers, with two head going to Minnesota and four to Texas. J. E. Halsey was auctioneer.

Six bulls sold at an average of $270 in the Angus sale of E. Floyd Grimm, at Mt. Ayr, Iowa, September 23. Top was the Grimm herd sire, Grimm's Blackbird Pilot. He went to Earl Hollinger, Leon, Iowa, at $600.

Forty cows and heifers made an average of $296. Top females went to G. C. Colwell & Son, Humeston, Iowa, at $345, and to Ben Moore, Allerton, Iowa, at $340. Several cow-and-calf combinations sold for totals of $370 to $385. Roy Johnston did the selling.

Nicholas Cassen's first Spotted Poland China and Shorthorn sale was held at Sigourney, Iowa, September 19. Auctioneers Rath and Fremme sold 18 sows at an average of $114 and 22 boars for a $65 average.

Top boar price was $107 and top sow sold for $147. A top of $126 was paid in the sale of young Shorthorn bulls.

50th Anniversary

INTERNATIONAL

Live Stock Exposition and Horse Show

November 26 to December 3

UNION STOCK YARDS - CHICAGO

$100,000 IN PRIZES

Sterling Silver Trophies

Premium Lists are now available and will be mailed on application. Entries close Nov. 1. For Carlots, Nov. 19

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Spectacular Horse Shows Daily

National Sheep Shearing Contests

Carlots Fat Cattle, Sheep and Swine

Huge Meats and Wool Show

National 4-H Club Congress

International Grain and Hay Show

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Plan Now to Exhibit and Attend

INTERNATIONAL AMPHITHEATRE

Home of the International Live Stock Exposition

CHICAGO FEEDER CATTLE SHOW AND SALE

Union Stock Yards, Chicago

October 27 and 28 Entries Close October 21

Need Breeding Stock?

Leading Beef Cattle breeders use our columns to sell their breeding stock . . . a dependable and reliable source of supply.

- ☐ Aberdeen-Angus
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- ☐ Polled Hereford
- ☐ Shorthorn
- ☐ Polled Shorthorn
- ☐ Red Polled

DAIRY CATTLE

- ☐ Ayreshire
- ☐ Brown Swiss
- ☐ Guernsey
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We will gladly send **FREE** a list of breeders in your territory. Check the breed desired and please indicate what you are interested in. The coupon can be pasted on a post card.

Wallaces' Farmer & Iowa Homestead
Box 1317, Des Moines, Iowa

Name .....
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FARMERS HYBRID PIGS GAIN FASTER ON LESS FEED

ARNOLD OLIEN AND HIS FARMERS HYBRID PIGS

TO: FARMERS HYBRID HOGS, HAMPTON, IOWA

I raised 124 spring pigs sired by my Farmers Hybrid Boar. These pigs gained faster on less feed than any pigs I ever raised.

ARNOLD OLIEN, Winnebago Co.

FARMERS

USE A FARMERS HYBRID BOAR TO OBTAIN HYBRID VIGOR, FASTER GAINS—MORE NET PROFIT! SEE "FARMERS" LOCAL SALES SERVICE MAN OR WRITE—

FARMERS HYBRID HOGS
Hampton, Iowa

CHESTER WHITES

25 BOARS — 10 GILTS
in
City Equipment Building
AKRON, IOWA, OCT. 26th
1:00 P. M.

Sired by Sunnycrest Superior Line, 1st place Sr. Spring Boar, 1948 Iowa Fair. Dams of offering sired by Stylemaker and Wisconsin Portage Model. Reserve and Grand Champion 1948 South Dakota State Fair, respectively. Luncheserved at noon to parties from a distance. Write for catalogue now.

WAYNE STOUTENBURG
AKRON - - - - - IOWA

DUROC SALE

Sale at farm, 3 miles west and 3 miles north of

GRINNELL, IOWA, OCT. 24th

20 Boars — 30 Gilts

Included will be 2d prize fall boar 1948 Iowa State Fair. Also other winners. The spring pigs are by **BLUE TOP**, with a litter by **TRIM LEADER** and **ROYAL KING**, 1948 Nebraska Grand Champion. They have length, smoothness and real quality. Plan to come. Ask for **FREE** catalog. Kindly mention this publication.

Louden Bros., Grinnell, Iowa

HAMPSHIRE SALE

At farm, 5½ miles east and 4¾ miles north of

FONDA, IOWA
FRIDAY NIGHT, NOVEMBER 4th

40 Big Rugged Boars — 25 Choice Gilts

Pigs selected from a pig crop that has unusual growing ability and are hard and firm fleshed, carrying a maximum of lean meat. We would like for you to inspect the offering as those who have seen the pigs rate this one of the tops to sell this fall. Most of the offering is sired by **MARVELOUS**, a top son of Miracle. Boars especially suited to the farmers' needs. The gilts are of foundation calibre and would add great strength to any herd. Plan to attend this sale. Kindly mention this paper when writing for **FREE** catalog.

LARS K. MEHL, FONDA, IOWA

DUROC SALE

At farm, east edge of

MT. UNION, IOWA
OCTOBER 25th

20 Boars — 20 Gilts

A splendid offering, well grown, excellent type, desirable quality. Mostly by **O.C. K'S IMPROVER.** One fine litter by **ZIPPY**, 1948 Iowa Junior Champion. Plan to attend. Ask for **FREE** catalog.

NEIL RASMUS MT. UNION, IOWA

7th Annual Missouri

Polled Shorthorn Breeders

Show, 9:00 A. M. Sale, 12:30 P. M.
State Fair Grounds

SEDALIA, MISSOURI
MONDAY, OCTOBER 24th

25 Bulls — 38 Females

The place to buy the world's best Polled Shorthorns . . . selected with care from 16 leading herds. Good quality, excellent pedigrees, real merit. Ask for **FREE** catalog. Kindly mention this publication. Address

ROLLO E. SINGLETON, Sale Mgr.
Department of Agriculture
Jefferson City, Mo.

ANNUAL HAMPSHIRE SALE

At farm, 5 miles west and 4 miles north (on No. 69) and 2½ miles west on good gravel road of

WEBSTER CITY, IOWA
OCTOBER 28th—FRIDAY NIGHT—8:00 P. M.
40 Big Masculine Boars

They are truly big and thick, being close to the ground, with splendid heads. Farmers will again be exceptionally pleased with the growing ability. Selected with care from one of the best sow herds of the state. They are sired by: **MODEL BOUND**, Reserve Champion of Nebraska; **TIMBER, STYLEMASTER**, and **DOMINATOR**. We have an abundance of new breeding for former customers. Kindly mention this paper. **FREE** catalogs sent on request.

MAURICE WEITZ, WEBSTER CITY, IOWA
Phone 1116, Duncombe, Iowa

DUROC SALE

AT FARM

Derby, Ia., Oct. 22

65 HEAD

25 choice spring boars and 40 spring gilts by **THE TRUE IMAGE**. They are of real quality, satisfactory for Farmer and Breeder Come. Ask now for **FREE** catalog. Kindly mention this publication.

AIRY BROS., DERBY, IOWA

Third Annual

POLLED HEREFORD SHOW and SALE

Upper Midwest Polled Hereford Association
30 BULLS — 30 FEMALES
SHOW—MONDAY, OCT. 24
SALE—TUES., OCT. 25, 1 P. M.
Sioux Empire Fair Grounds
Sioux Falls, South Dakota
Write for Catalogue
G. J. KUNAU, Secretary
RED WING - - - MINNESOTA

Spotted Polands

At farm, 1 mile south and 1¼ miles west of

GRAETTINGER, IOWA
NIGHT — OCTOBER 28th

Selling 35 big rugged boars and a few gilts out of dams by the noted boar of the breed, Rocker. They are mostly sired by **PROGRESSOR**, top of the Sunderman sale last fall and by the double champion, Grand Master. Farmers will be pleased with these big easy feeding boars. Solve your boar problem at your own price by spending the evening of October 28th at our farm. Write for **FREE** catalog and kindly mention this paper.

SPIES & LEIN
GRAETTINGER - - - IOWA

Shadeland Farms 65th DUROC SALE

Just north of Rock Rapids, Iowa, on farm 5 miles west of

LUVERNE, MINNESOTA
NOVEMBER 8th
50 Spring Boars

We are again offering a fine lot of boars in this sale. They are the kind the farmer likes . . . big, heavy bone, fast growers, the kind that make pork in a hurry. They are sired by **LUCKY PROMOTER**, 1948 Minn. Grand Champion; **ROYAL DIAMOND**, the boar that has sired many State Fair champions, and **RED DUKE**, of Royal Fancy breeding and proving to be a great sire. Our Duroes do well for others. Over 30 years of constructive breeding. Please mention this paper when writing for **FREE** catalog.

JUHL BROS., LUVERNE, MINN.

Selling at Private Treaty

DUROC BOARS

Offering a grand selection of well grown boars with plenty of style and balance. Mostly sired by the Champion of the 1948 National Barrow Show and top selling boar over all breeds.

ROBIN HOOD'S PRIDE

Especially suited for the farmer and priced to sell. Visit the farm, write or phone.

S. C. SCHRAGE
EAGLE GROVE - - IOWA

The WIGBYS

CENTRAL STATES

SHORTHORN and POLLED SHORTHORN

SHOW 9:30 A. M. — **SALE** 12:30 P. M.

Southern Iowa Fair Grounds Pavilion

Oskaloosa, Iowa, Saturday. Nov. 12th

Plan to Attend
"THE SALE OF THE RED, WHITE and ROANS"

65 Head

30 Good Bulls — 35 Desirable Females

A carefully selected offering from well-known herds, which will include bulls suitable age for service, both **SHORTHORN** and **POLLED SHORTHORNS** . . . the sort for herd bull material. The females include cows with calves by great sires, some rebred, excellent bred cows and heifers and attractive open heifers. The consignors are:

HELFRED FARMS	Des Moines	BRAYWOOD FARMS	Oskaloosa
H. K. OWENS	Homestead	SYNKERSON BROS.	Oskaloosa
LLOYD F. BURR	Lone Tree	LEROY BROWN	Lamoni
PENNINGROTH BROS.	Wellman	TEDFORD W. MILES	Corydon
T. D. NYSWONGER	Indianola	EMMETT FRANKLIN & SONS	Oskaloosa
C. T. VAN LINT	Pella	GILBERT BELL	Farmington
J. E. SMITH	Richland	L. M. NICHOLL	Mechanicsville
PAUL LEEPER & SON	Packwood	B. E. BLANCHARD & SONS	Chariton
WAYNE A. CARR	Cincinnati	EVERGREEN FARMS	Columbus Jct.
D. H. ANDREW	Indianola	PETE HARDEMAN	Montezuma
GLEN YOAKAM & SON	Keswick	WILLIS OSBORN	Kellogg
EARL WHEELER	Indianola	OSA COLLINS	Keswick
WALTER MILLER	Granger, Mo.	C. E. STEWART & SONS	Rose Hill
W. E. CARTER & SON	Brimfield, Illinois		

A most desirable offering drawn from a reliable group of breeders, which represent some of the finest blood lines. The large number affords a wide selection. We urge you to attend. Make plans now, COME. Ask for the **FREE** catalog. Kindly mention this publication. Address

C. E. STEWART, Sale Mgr., Twin Valley Farms, ROSE HILL, IA.

Auctioneer, J. E. Halsey — M. W. Boney, Fieldman

HEILEMAN'S

Old Style Lager

America's Quality Beer

Copyright 1949, G. Heileman Brewing Co., La Crosse, Wis.

C. C. PICKRELL & SONS

DISPERSION SALE
ABERDEEN ANGUS CATTLE
100 HEAD 100

CHARITON, IOWA, NOV. 7th, 1949

At North Sale Barn, in Town

Owing to our other business we have decided to close out our entire herd of Aberdeen Angus cattle, which has become one of the best in southern Iowa, and is recognized as being one of the best in the state. Many years ago we purchased the foundation for this herd, buying only the best from the best breeders in those days. We selected the best bulls to head our herd and that was also true of the cows that we bought. We have always been very careful in the selection of our herd bulls, and this is apparent when you see the cattle that we are selling in this sale. We have always disposed of our surplus at private treaty, but the herd has increased to that point that we have decided to make a public sale. We are listing a grand good lot of cows and heifers and these are good enough to go into any herd. Our two herd bulls are selling as well as some younger bulls.

40 COWS SELLING WITH CALVES AT FOOT

Together with a Lot of Bred Cows Ready to Calve

There will be 80 head of females in this sale, counting cows and heifers. You will find not only a lot of good cows but you will also find some grand good heifers. We extend an invitation to all Angus breeders, or those who might be interested in Angus cattle, to be with us on day of sale. It is at dispersion sales like this where you get all of the best cattle so make it a point to be with us on day of sale. Here is good stock for the maintenance and the advancement of quality in your herd. A dispersion sale offers careful buyers the most for their money. We will therefore look for you on day of sale. Write for **FREE** catalog. Kindly mention this publication. Address

DONALD J. BOWMAN, Sales Mgr., HAMILTON, MISSOURI

C. C. PICKRELL & SONS, Owners, CHARITON, IOWA

Auctioneer, Col. Fred Chandler — M. T. White, Fieldman

EASTERN IOWA

Shorthorn Breeders' Sale!

Hawkeye Downs Sale Pavilion

CEDAR RAPIDS, IOWA
TUESDAY, OCTOBER 25, 1949

50 HEAD

- 20 Rugged Bulls Ready for Service
- 5 Splendid Cows with Big Calves
- 14 Well-bred Cows and Heifers
- 6 Most Attractive Open Heifers
- 10 SHORTHORN 4-H Steers Sell

This is a good lot of richly bred cattle selected with care from 19 leading herds in this section. The 5 cows with calves at foot are by great sires and remated. 14 choice young cows and heifers well-forward in calf to top herd sires. 6 beautiful open heifers. The 20 bulls most all ready for service, are by good sires and the type for herd bulls. The consignors are:

W. C. Anderson & Son	West Liberty	F. W. Hubbell	Des Moines
Gilbert Kardel	Walcott	Mrs. Francis H. Ingham	Waukee
H. K. Owens	Homestead	Tedford W. Miles	Corydon
Penningroth Bros.	Wellman	Leslie E. Robinson	Wapello
Carlton A. Reed	Bellevue	L. & A. T. Robinson	Masonville
Urice Bros.	Vinton	J. B. Rockwell	Mt. Pleasant
Roger Browne	Baldwin	Evergreen Farm	Columbus Jct.
Roy A. Coleman	Winthrop	L. M. Nicoll	Mechanicsville
Philip Marti	Waukon	F. D. Sutherland	Center Junction
Walter Schuster	Stockton		

Sires represented are **Killearn Major, Rannoch Master Command, Lancaster Marshall, Icenl Commodore (Imp.), Marellbar Impression, Corrimony Emperor (Imp.), MF Royal Leader, Bridgebank Chronicle, Volgavale Fashion, Highland Royal, Ransom, Calrossie Victor, Goldfinder's Sultan, Achtoi Dreadnaught, Newallyn Crocus King, Millvale Pioneer, Sni-A-Bar Claredon** and **MF Senator.** Best in breeding. All **T.B.** and **Bangs** tested. Plan to attend. Ask for **FREE** catalog. Kindly mention this publication. Address

ALBERT J. HAMANN, Sale Mgr., ROCK RAPIDS, IA.

Auctioneer, J. E. Halsey — M. W. Boney, Fieldman

HERVALE FARMS SECOND ANNUAL

Polled Hereford Sale

20 BULLS — 30 FEMALES

Wayne, Nebr., October 26, 1948

HERVALEER BARON 13th—Champion Nebraska bred bull and reserve champion 1949 Nebraska State Fair. Sells in sale.

Including prize winners at Fort Worth, Nebraska State Fair, North Dakota State Fair and Sioux Empire Fair

We are proud to be able to announce our Second Annual Sale where you will be able to buy ready-to-work herd bulls and production guaranteed females from a herd of select blood lines and individuality. The old saying—"people will always pay for quality"—was never so well demonstrated as at our first sale a year ago. The purchasers of our cattle came from six states, from Montana to Tennessee.

Among the bulls will be our great prize winning **HERVALEER BARON 13th**, champion Nebraska bred bull and reserve champion 1949 Nebraska State Fair; a full brother to Miss Plato Domino 7th, first prize senior heifer calf at Fort Worth by Plato Aster 25th; a full brother to the second prize summer yearling heifer, Lady Hervaleer 3d at Fort Worth by Plato's Pioneer; full brothers to the champion female and reserve champion heifer at the Sioux Empire Fair and full brothers to our herd bulls, **PLATO'S PIONEER** and **HERVALEER A.** Among the females are prize winners from our show herd, daughters of **PLATO ASTER 25th, PLATO'S PIONEER** and **HERVALEER A.** 20 of the female offering will be bred to our herd bull battery. We certainly hope that you will come to Wayne, Nebraska, on the 26th and be our guest. Your presence will be greatly appreciated. Wayne is located 40 miles southwest of Sioux City, 100 miles northwest of Omaha. Write at once for **FREE** catalog. Kindly mention Wallaces' Farmer and Iowa Homestead.

HERVALE FARMS, WAYNE, NEBR.

Leland W. Herman, Owner — **Joe Claybaugh, Manager**

Auctioneer, Chas. Corkle — M. T. White, Fieldman

From where I sit ... *by* Joe Marsh

How We Licked The Parking Problem

For a while it looked like we'd have to put up parking meters. Folks working in town—including some of the store owners—were taking up all of the space along Main Street.

Farmers coming in to shop never found a place to park, and sometimes had to lug stuff a half mile or so. Some started buying in other towns. Finally, store owners and farmers had a get-together—with the result that the empty field near the depot was fixed up for all-day parkers.

Now farmers get their shopping done comfortably, and the merchants have a better place to park than they had before. Just took a little friendly co-operation to make everybody happy.

From where I sit, most differences can be ironed out by just talking things over—maybe with a cup of coffee or glass of beer—and seeing the other person's side of it. Next time you have a problem or a little difference to settle, why not try just that?

Joe Marsh

Copyright, 1949, United States Brewers Foundation

MARION COUNTY # HEREFORD SALE

in Bingley Sale Pavilion

SHOW—9:00 A. M. SALE—12:00 NOON

Starts at 12:00 Noon

Knoxville, Iowa

SATURDAY, OCTOBER 22

35 BULLS — 56 COWS WITH CALVES

13 BRED HEIFERS — 15 OPEN HEIFERS

Marion County has won many honors on their cattle . . . including County Champion Hereford group of 4-H heifers at 1946-1948 Iowa State Fair, second prize group in 1947 . . . Champion heifer 1946 and 1947—similar blood lines offered in this auction. Most bulls ready for service . . . a bull for every need. 56 grand breeding cows with big lusty calves at foot. Choice bred cows and heifers, mated to top herd sires and attractive open heifers. The offering will include a complete dispersion of the **JOE M. JOHNSON** herd which was founded on WHR breeding. Also the **H. J. WOODY** herd will be a partial dispersion.

The offering will compare favorably with any we have offered. The blood lines of the following sires are represented: Domino Imperial, VIA Bo Carlos, Determined Domino 12th, G. Roy Rupert, H. & D. Tone Lad, American Domino 6th, Anxiety Axtell, Monogram Prince, Royal Rupert K. 35th, HT-R. Rupts. WHR 41st, Royal Rupert K. 14th, Super Anxiety 30th, Heritage Domino, Western Prince 14th and Advance Domino N. 5th. Best of blood lines. All **T.B.** and **Bangs** tested. Plan to attend. Ask now for **FREE** catalog. Kindly mention this publication. Address

WALTER L. BROWN, Sale Mgr., KNOXVILLE, IOWA

Auctioneer, Fred Chandler — M. W. Boney, Fieldman

Banquet and annual meeting 7:00 P. M., October 21st. All are invited.

MERRY ACRES JERSEY DISPERSAL

Sale at Farm, at north edge of Mt. Pleasant, just off of Highway 218, at City Limits

MT. PLEASANT, IOWA

FRIDAY, OCTOBER 28—12:30 P. M.

40 HEAD—Production Tested and Classified Registered Jerseys

Herd Average last year—471 lbs. fat, 8,742 lbs. milk, 5.4%

All Cows Classified Excellent, Very Good or Good Plus

20 Cows—mostly young—including 4 "TON OF GOLD" cows. Rich in the blood of the DESIGNS, AIMS and RALEIGHS.

17 Heifers—Bred Heifers, Yearlings and Calves. Many of these are daughters of a "Very Good" son of ENA'S DESIGN B. Sr. Sire. Gold and Silver Medal Sire. Several are by the "Very Good" Five Star Bull, **ROYAL DESIGN ROSEBOY**, which also sells in the sale, a son of a Superior Sire and out of an **ALC** Tested Dam, 3-dam, abv. 567 lbs. fat, and a **TON OF GOLD** cow. All young stock Calfhood Vaccinated. All **T.B.** and **Bangs** tested. Write for **FREE** catalog. Kindly mention this publication.

ONE OF THE HIGHEST PRODUCING HERDS OF JERSEYS IN IOWA

IVAN N. GATES, Sale Mgr., WEST LIBERTY, IOWA

MR. & MRS. O. T. WILSON, OWNERS, MT. PLEASANT, IOWA

Auctioneer, Tom McCoy — Francis Scott, Herdsman

Annual Sale of

Registered Hereford Cattle

Southwestern Minnesota Sale Barn

WORTHINGTON, MINNESOTA, NOV. 12th

50 Head — 30 Bulls, 20 Females

The property of John Block & Sons and Ivan Peterson. A splendid offering sired by **REAL PRINCE D. 210th**, our Fulscher bred herd bull; **REAL PRINCELL** and **BATTLE SPARTAN.** The females are mated to **FREWAY RETURN 2d** and **REAL PRINCE** bulls. Best in blood lines. Real quality. Plan to attend. Ask now for **FREE** catalog. Kindly mention this publication. Address

JOHN BLOCK & SONS, WORTHINGTON, MINN.

AYRSHIRE DISPERSAL

Sale at farm, one mile north on Highway No. 63

WATERLOO, IOWA

THURSDAY, NOVEMBER 3rd

Starting at 1:00 P. M.

30 HEAD — 3 Good Bulls, 27 Excellent Females

Included are daughters and granddaughters of **NETHERHALL SWANKY DAN, BARGOWER HEATHER HONEY 22d** (Imp.), and **PLUS SR.**, and our grand champion bull and Junior Champion heifer at 1949 Iowa State Fair. Best of breeding. Many brood cows from famous show and milk families. All **T.B.** and **BANGS** tested. Plan to attend. Ask now for **FREE** catalog. Kindly mention this publication.

FROST BROS., Rute 3, WATERLOO, IOWA

Auctioneer, Robert Seitz

52 HEAD]

NORTH IOWA GUERNSEY SALE

At North Iowa Fairgrounds

MASON CITY, IOWA, SATURDAY, OCTOBER 29

STARTING AT 12:00 NOON

30 PUREBRED FEMALES

7 BULLS

15 HIGH GRADE FEMALES

Ask for free catalog

PAULA M. SPROLE, Box 76, MASON CITY, IOWA

Auctioneer, Robert Seitz — Pedigrees, Stanley Hicks

When writing to advertisers, will you please mention this paper?

Mr. Farmer: Need a Good Boar or Gilt?
Consider the Advantages of This Offering

60 TOP DUROCS

Selling at Sales Pavilion, 1:00 P. M.

MONDAY, OCTOBER 31st

SAC CITY, IOWA

30 Grand Boars and 30 Spring Gilts Selected from Over 400 Pigs

The Only Sale of This Kind of the Season Where the Commercial Hog Producer Will Have Such a Grand Selection of Blood Lines and Quality.

This offering is catalogued from the sire of 60 Durocs sires that are mated to 20 of the top boars of the breed. The litters have been raised under the supervision of Verl Ringgenberg, Manager, by worthy Pig Club Boys with the cooperation of their fathers. The boys grew their pigs on clean pasture range and fed a balanced ration. They will be selling in thrifty breeding condition and will respond to normal care and make good for the average livestock farmer. The sales offering has been carefully selected and represents such noted sires of the breed as, **FLEETLINE, MR. BLUE PRINT, COMPREST, STYLE BLENDER, MODERN TREND, FLEETLINE'S PRIDE, RED DIAMOND,** and many other outstanding boars. Plan now to see this special offering. Please mention this paper when writing for your **FREE** catalog. Address

WHITE CAP FARMS

VERL RINGGENBERG, Mgr. Box 501, STORM LAKE, IOWA

Better Chester Whites

Sale at farm, located east of Marshalltown on Highways No. 64 and 30 and just west of

ADMIRAL, the 1st prize Junior Boar pig at 1949 Iowa State Fair. He sells and others of like merit.

LeGRAND, IOWA

FRIDAY, OCTOBER 21

50 HEAD

30 Boars — 20 Gilts

A grand offering selected with care from a large number. A herd where top quality **CHESTERS** have been produced for years . . . only the best are cataloged. Many sired by **PERFECTOR**, sire of Reserve Grand Champion at 1949 Iowa State Fair and remember **KEEN'S** won the Grand Champion Pen of Barrows at 1949 Iowa State Fair over **ALL BREEDS** . . . the kind they produce. Plenty of **NEW BLOOD** for old customers. The real **MONEY-MAKING** kind. You can find a herd boar that will please or a few top quality gilts. **COME.** Buy them at your own price. Ask now for FREE beautiful illustrated catalog. Kindly mention this publication.

C. T. KEEN & SONS, LeGRAND, IOWA

Auctioneer, Clair G. Mason M. W. Boney, Fieldman

SPOTTED POLAND SALE

Night Sale, 7:30 P. M.—Sale Barn

HARLAN, IOWA, OCT. 25

35 BOARS — 10 GILTS

I am selling more top notch herd boar prospects than ever before, and also a great array of choice gilts. They are sired by **RIGHT TYPE**, a boar we paid $600 for last fall. Others by **STARLINE**, sired by a great grandson of Feeder's Quality. This is a great opportunity to increase your profits with higher pork prices and lower feed costs. I am sure I can furnish you with top flight herd material. Plan now to attend the sale. Write for free catalog. Kindly mention this paper. Send your buying orders to M. T. White, Fieldman, who will attend the sale. Address

NORRIS VOGE, WALNUT, IOWA

Auctioneers, Taylor & Martin M. T. White, Fieldman

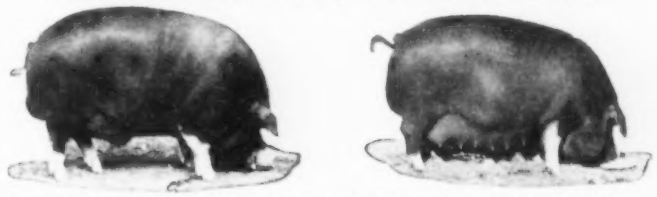
McCLARNON'S

POLAND CHINA SALE

40 BOARS AND 10 GILTS

Selling at the Farm

BRADDYVILLE, IOWA, OCTOBER 29, 1949



I am selling 50 head altogether, and let me say to you breeders and farmers who are looking for the best there is in this great breed of Poland Chinas that there will be few offerings this year that will look better to you than this offering of Leo McClarnon's. For the past forty years I have been breeding these popular Poland Chinas, and looking at it from every angle there is not a better breed of hogs than I am offering you in this sale. My offering this year is sired by that great boar, **MANCHU, BLACK BOONE, GREAT CAESAR** and **BLUE BOY**, and the 10 gilts that I have selected for this sale are sired by the same boars. These will be as large for their age, and as good or better than can be found elsewhere. I have never sold a better offering than I am cataloguing for this sale. I have been selling Poland Chinas to go into the best herds in this country for the past forty years and many of our best herds have been started from my herd. Remember my date is October 29, in the afternoon, and if you are looking for the best there is in this popular breed, then remember you will find them in my offering. I want to give you a special invitation to be here on day of sale. Write for my catalog at once and please mention Wallaces' Farmer and Iowa Homestead. Address

L. R. McCLARNON, BRADDYVILLE, IOWA

Auctioneer, Col. H. S. Duncan M. T. White, Fieldman

PEERLESS POLAND CHINAS

At sale barn, 1 mile west, intersection of No. 175 and No. 59

Ida Grove, Iowa, Oct. 26th

NIGHT SALE

48 OUTSTANDING BOARS

They are by our great herd sires, **YARD MASTER**, and **SQUARE LAD** and out of a most select lot of brood sows sired by **MAC'S MODEL, RIGHT TYPE, STRAIGHT AHEAD** and **MAC'S O. K.** A choice litter by the famous **GLADSTONE**, and a fine litter by **MIRACHLE.** Breeding unsurpassed. The best quality we have ever offered in 50 years. All well grown, modern type, displaying real merit. The sort for breed improvement. Plan to attend. Ask now for **FREE** catalog. Kindly mention this publication.

F. L. McKAY, The Peerless Herd, IDA GROVE, IOWA

Auctioneer, H. S. Duncan

"For a Higher Carcass Yield"

IOWA BERKSHIRE BREEDERS NIGHT SALE

At the comfortable Fairgrounds Pavilion

SPENCER, IOWA, NOVEMBER 8, 1949

Boars and Gilts Consigned by Twenty-five of Iowa's Leading Berkshire Breeders

Farmers and breeders will be pleased with the grand selection this sale affords. An opportunity to increase the gaining efficiency in your herd and thus increase your net hog profits. A study of the records will show that Berkshires best suit the farmers' needs. Make plans now to attend this night sale. Kindly mention this paper when writing. Free catalogs on request.

ALEX CONOVER, Sale Manager, HOLSTEIN, IOWA

ALVIN SUNDERMAN'S

SPOTTED POLAND CHINA SALE

CLARINDA (NIGHT SALE), OCT. 26, 1949

To be held at my IDEAL FARM at 7 P. M. 3 miles west of town

I am selling 60 head, 40 Spring Boars and 20 Spring Gilts, sired by Feeders King, he by Top King, and Construction by Ace by Grand Master. Their dams are sired by Broadmaster, Ideal Prince and Feeders King, he by Top King and Construction Ace by Grandmaster. Their dams are sired by Broadmaster, Ideal Prince and Feeders King. This is an excellent offering of March and April farrowed pigs. They have size with a lot of thickness and quality. This will be thirty years of raising Spotted Poland Chinas, I mean Registered Polands at my Ideal Farms. We have hundreds of satisfied customers throughout the United States, and this offering compares with the best we have ever raised. We always have the kind the farmers and breeders want. When asking for my free catalog please mention Wallaces' Farmer and Iowa Homestead.

ALVIN SUNDERMAN, CLARINDA, IOWA

Auctioneers, Taylor & Martin

—START SAVING NOW THE EASY U. S. SAVINGS BOND WAY—

HIRED HAND HARLEY—Meanwhile, Things Might Be A Little Confusing

Dissolution Sale

AT FARM

OCTOBER 19, 1949
OSKALOOSA, IOWA

60 Registered **GUERNSEY**; 24 head of cows, 14 head bred heifers, 10 heifer calves, 9 bull calves. Also herd sire.

Bred by grandson of **SOCRATES ROYAL SEQUEL** and grandson of **CATHERAL ROSALIE**, also son of **ROCKINGHAM SAILOR PRINCE**.

Some machinery and grain and hay for sale. Our 126 acre farm with all dairy equipment at private treaty.

READ & PURVIS
R. 5, Box 442 Oskaloosa, Iowa

AUCTIONEERS

AUCTIONEER
Successful sales for leading breeders, lifetime experience with livestock. Apply early, as I am busy during the season. Rates reasonable. Telephones, Residence 7-3645; Business 3-6181.
J. E. Halsey, Box 1317, Des Moines, Ia.

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HARLAN, IOWA
LIVESTOCK AUCTIONEER
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Learn the AUCTION BUSINESS
SEND FOR OUR NEW CATALOG
BOCKELMAN AUCTION SCHOOL
1218 FOURTH STREET, SIOUX CITY, IOWA

DOGS

Notice—Unsatisfactory dogs must be returned within time specified by advertiser. Buyer always pays express charges (both ways if dog is returned) unless advertiser states in advertisement that he will do so.

Shomont Collies
Workers—Companions—Guards. Write for free lists.
SHOMONT FARMS AND KENNELS
MONTICELLO IOWA

GENUINE ENGLISH SHEPHERD PUPS
Guaranteed heelers. Year's trial, training instructions. Males, females or spayed females.
HIGHVIEW KENNELS CEDAR FALLS, IOWA

BEST YET
ENGLISH SHEPHERD PUPS
Guaranteed to bring home the cows. Year's trial. Choice of sex. Spayed females a specialty. Priced right.
CLOVERDALE FARM ACKLEY, IOWA

SHEPHERDS, COLLIES
ENGLISH SHEPHERD, OR COLLIE PUPS for watch and stock. Also registered Scotch collies. Reasonable.
ZIMMERMAN FARMS FLANAGAN, ILL.

GENUINE ENGLISH SHEPHERD AND COLLIE PUPS
Guaranteed heel-drivers (no heeling). Year's trial, training instructions (150,000 satisfied customers). Males — females — spayed females specialty. $15.00. (Distemper vaccinated.)
EMIL RUNFT REINBECK, IOWA

Purebred Border Collies English Shepherds
America's most useful dogs. Puppies all ages. Both sexes. Choice colors. Faithful workers. Satisfaction guaranteed.
We breed and sell our own stock.
FAIRMOUNT FARMS - CEDAR FALLS, IOWA

HUNTING HOUNDS
Coonhounds, Combination Hunters, Foxhounds, Beagles, Blueticks, Redbones, Blacktans. Reasonable. Trial. Pictures, list free.
ECHO VALLEY KENNELS, HERRICK, ILL.

GERMAN AND ENGLISH SHEPHERD
MIXED PUPPIES
Excellent all-purpose dogs. Females only. 5 months old. Partly trained. $15.00 up.
GEORGE COLEMAN, RFD, WEST POINT, ILL.

COLLIE DOGS
Several fine pups, both males and females by **GREEN HILL BOY**. Champion Blood Lines. REASONABLE. Act Now.
GREEN HILL FARM, R. 1, Council Bluffs, Iowa

BORDER COLLIES
The genuine Imported Registered **BORDER COLLIES** from the Heather and Trial Fields of Scotland. Watch these work. Ph. Des Moines 6-9022.
KILMARNACK ACRES ALTOONA, IOWA

REGISTERED AIREDALES
Males $30; two-year spayed female, good hunter and farm raised $25; Registered Cockers, F. $25, M. $17.50; Pekes, Females $25; Dacks., F. $25; Pom's., M. $35; Scotties, F. $20; Unregistered Rat-Ter., M. $15, F. $10.
Van Gorp Kennels & Mink Ranch Pella, Iowa

Livestock News

The big Central Illinois Angus Sale, at Congerville, September 21, saw 62 females sell at an average of $323 and six bulls at a $383 average.

Two bulls brought a top of $600 each: Elleenmere W. 472d went to Russell Hanes, Warrensburg, Ill.; Elleenmere W. R. 4th, from the J. Rundles farm, was sold to L. E. Offenstein, St. Joseph, Ill.

Female top was the $860 paid by Bassett & Johnson, Alexis, Ill., for Baylor's Gammeretee 5th, from the Baylor farm.

The 1949 Iowa junior champion, Promoter's Echo, sold for $710 in Harold Miller's Chester White sale at Janesville, Iowa, September 28. Ted Trowbridge, of Marshalltown, Iowa, was the buyer.

Another Miller spring boar went to O. C. Blank & Son, Logansport, Ind., for $400. Bulk of offering sold to Iowa buyers, with a few head going to Indiana, North Dakota, Minnesota and Missouri.

Martin Vust, Ellsworth, Iowa, paid top gilt prices of $175 and $120. Mason and McIntyre cried the sale, which brought a 42-boar average of $140.

The Northeast Missouri Angus sale, at Memphis, Mo., September 30, made an average of $328 on 55 lots. Auctioneers Johnston and Jones sold cattle to buyers from Iowa, Missouri, Colorado, Nebraska and Illinois.

Don Schuey, Unionville, Mo., paid $550 for a seven-year-old cow with calf at side, from the herd of R. L. Woolever & Son, Unionville. Top bred heifer price of $500 was paid by Brunning Angus Farm, Higginsville, Mo., for an entry from P. O. Van Meter & Son, Queen City, Mo. The open heifer top, also $500, was paid by Myron Baker, Kahoka, Mo., to Earl Rogers, Kirksville, Mo.

C. Walter Blasi, Pulaski, Iowa, paid the bull top, also $500, for a seven-month-old calf from the Woolever herd. The 46 females averaged $325, the nine bulls $344.

Shorthorns At Royal

Feature of the 1949 American Royal, to be held at Kansas City, October 15-22, will be the National Shorthorn Show. More than $27,000 in premiums will be paid in Shorthorn classes.

Both horned and polled Shorthorns will compete at the Royal. They'll be judged by Dr. A. E. Darlow, head of the animal husbandry department at Oklahoma A. & M. College.

A combined sale of Shorthorns and Polled Shorthorns is scheduled for Wednesday, October 18.

Waterloo Meat Show

October 25 thru 28 are the dates of one of Iowa's newer livestock events, the Waterloo Meat Animal Show and Livestock Institute. Market hogs, cattle and sheep will compete for $7,000 in prize money.

Special prizes are offered by purebred registry associations. The show will be held on the grounds of the Dairy Cattle Congress.

Two new classes are scheduled this year: A pen of three barrows and a class for 15 market lambs.

Iowans Judge Feeders

Three of Iowa's top cattle feeders will judge the fifth annual Chicago Feeder Cattle Show and Sale, at the Chicago Stockyards, October 27 and 28.

They are Karl Hoffman, Ida Grove; Ferd Schmidt, Delmar, and Hugh Morris, Ainsworth.

The Chicago show serves as a meeting point for top western producers of stockers and feeders and corn belt cattle feeders. Most entries come from western range states.

Classify Iowa Jerseys

Three Iowa Jersey herds have had animals classified recently, the American Jersey Cattle Club reports. Adams Bros., Appanoose county, had 18 head classified, including one excellent, eight very good and one good.

Ten head in the herd of Arly J. Braden, Buchanan county, classified two very good, five good plus and three good. In another Buchanan herd, that of Elmer Nabholz, ten head were rated two very good, six good plus, one good and one fair.

ABERDEEN ANGUS

BRED ANGUS COWS
25 young registered Angus cows of popular families. Bred to **V. M. ELBA PRINCE**, a top grandson of Black Prince of Sunbeam. Can go anywhere. A real opportunity. Priced for quick sale. Write or phone.
RED TOP FARM LIBERTYVILLE, ILL.

ANGUS COWS AND HEIFERS
Some with heifer calves and heifers bred to outstanding sires. Also heifer calves. Ideal to establish a herd quickly. All purebred but not all registered. Act now. Iowa Fair Acres.
EDITH WILLER EILER TIPTON, IOWA

AYRSHIRES

AYRSHIRES

MOST PROFITABLE COWS
4% MILK
Big Milkers Hardy Rustlers
Good Grazers Perfect Udders
Write for Booklets and List of Breeders near you with Stock for sale
Ayrshire Breeders' Association
47 Center St., Brandon, Vt.

HEREFORDS

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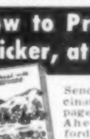

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Choice quality, rich breeding. Reasonable. Phone, wire, or write
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Choice Bulls of serviceable age and others younger. Few mature cows and heifers. Production and show record ancestry. Reasonable.
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HIGH GRADE COWS AND HEIFERS to freshen this fall.
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Registered, almost breeding age. Dams made close to **600 lbs.** fat on 2X milking. All solid color but one. Typy, popular blood lines. Reasonable.
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Use a Berkshire boar this fall and increase your profits. For FREE information and breeders in your territory, write
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Spring and fall boars. Full brothers to 1949 Iowa Jr. Champion. Large selection priced to sell.
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Now offering a wide selection of choice fall and spring boars. Popular bloodlines. Be sure to see these before you buy.
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Choice spring boars and gilts, also fall boars. Best blood lines. One or a **truck load**. The kind you like. Farm 6 miles of Corning on No. 34. **Price right.**
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SPOTTED POLAND SALE
At Sale Pavilion
SAC CITY, IOWA
FRIDAY NIGHT, OCTOBER 21st
50 Boars — 10 Gilts

This will be one of the low-set thickest offerings to be sold this fall. They are the easy feeding, fast gaining kind, with plenty of style and quality. Farmers looking for good boars should see this offering before they buy . . . it will pay. Have picked only the very tops from over 200 head sired by **THUNDER HEAD, TRU MOLD,** and **BROAD BOY.** Plan now to attend. Please mention this paper when writing for **FREE** catalog.
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IF YOU ARE INTERESTED IN
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Chester White Boars

55 top quality boars sired by PORTAGE ELATION, DANDY MODEL and COPP'S GRANDMASTER. Some state fair winners. New blood for old customers. Write or visit.
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Top outstanding individuals, March and April boars by PERFORMANCE CHIEF 558527, PRODUCER'S PROFESSOR, LUCKY'S MODEL LAD and WHITE KING 569877 bred by Oklahoma A.&M. College. Anyone looking for a good herd boar, well-grown and the type in demand today, with a well balanced body, excellent Ham and good feet with smoothness, size and quality all the way around, inspect our herd. New blood for old customers. Immuned. Pedigree furnished. **45** head breeding purebred **Chesters. Reasonably Priced.** Visit us or write.
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Grandsons of **THE DAZZLER;** well grown with size and quality. A good selection at farmer prices. See these before you buy.
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IMPROVE YOUR DUROCS

BOLD PRINT
By Mr. Blue Print

with a spring boar sired by
BOLD PRINT
or by
GLORY BOUND
1st at Missouri
A grand selection
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Choice boars and gilts by **MODERN TREND, TOPS,** and **TRU TYPE.** National Prize-winning blood lines. The deep bodied, thick hammed, heavy boned, dark-red feeding kind. We ship. Our Specialty: Careful selection for customers.
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15 Choice Rugged Boars
Some winners at state fair.
Best of breeding.
Good individuals.
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50 purebred top quality spring boars by **Real Idea,** a son of Stylemaster, **BUGLERS MODEL, MARKSMAN,** and **CAVALIER.** Well grown, deep-bodied, thick hams. Immuned. Farm 8 miles west on No. 20 and 2 miles south.

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NEW! DIFFERENT! DISTINCTIVE MARKINGS!
SHIPPED C O D YOUR APPROVAL
FREE CIRCULAR
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Choice Registered Boars ready for service. Also weanling pigs, either sex. Immune. Large average litters. "Our 1948 Spring and Fall litters weighed **230** lbs. and **240** lbs. at 160 days" and topped **MARKET** each time. You will like the cross.
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Choice Poland China boars by **DOMINATOR DELUXE,** 1st prize at District fair, by Dominator. They are sound and smooth, with the length now in demand. 3 boars out of our grand champion sow. We always please on mail orders. FARMER PRICES. Farm located 1 mile east of Eldorado on No. 150.
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SPOTTED POLAND CHINAS

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At the Farm
TUESDAY, OCTOBER 18th
1 P. M.
50 head of Boars—10 Gilts. Sired by **ZIPPER** and **FITZER'S TRAILBLAZER.** Write for **FREE** catalog.
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Choice boars we know will please you. Sired by Monanna, Oh My and Twenty Grand. They are the right kind, the price is right.
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Now offering a wide selection of top boars by Prince Charming, son of Tops All. Dams by Transformer. Attractive prices.
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75 spring boars, **75** open gilts by **TYPESETTER,** a son of Bold Venture and **SHOW BOAT** by Dream Boat. They are big, thick and long, with plenty of quality.
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Big, heavy boned, well developed fall and spring boars. Will sell **NATIONAL TOPIC** and **THE MAJOR.** These herd boars are outstanding. Unsurpassed in quality with extremely large bone.
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BOARS

Sired by Majestic. New blood for old customers.
A. J. ANDERSON & SONS
1½ miles northeast Kellogg, Iowa

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Sired by champions. Will weigh 300 lbs. sale day **SATURDAY NIGHT, NOV. 5th. 20 GUERNSEY CATTLE.** T.B. and Bangs tested.
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Choice Boars and Gilts by
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They are tops. Ask the breeders who have them.
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Choice purebreds including 1st senior boar pig and 3rd junior pig at Spencer. Also fall boars. Plenty of new blood for old customers.
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Choice fall and spring boars; also June gilts . . . cross ideally, fast and economical gains, plus better carcass. REASONABLE.
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65 Ewes — 35 Stud Rams
Choice Registered high quality sale of Ewes and Rams. Dakota-Minnesota Breeders Association **COLUMBIAS** lead the way to more lambs . . . more wool . . . more money. Mail bids handled in business-like manner. Ask now for **FREE** literature. Kindly mention this publication.
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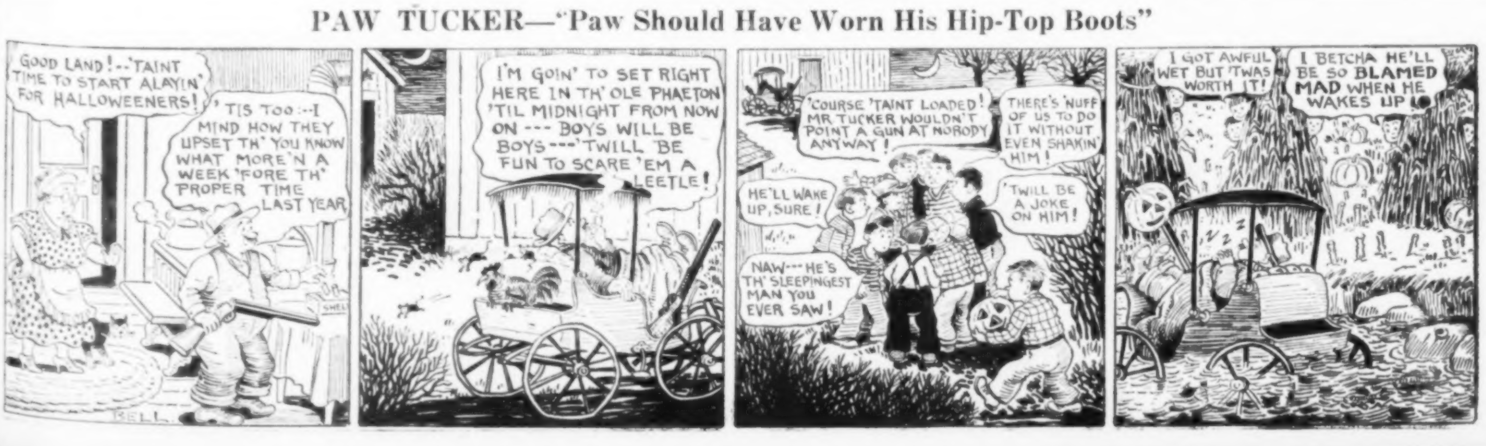

Spotted Poland Sale

30 Boars — 30 Gilts

AFTON, IOWA, OCT. 26th

We have a real quality offering of spring pigs sired by **PRINCE ADVANCE**, a great son of Ideal Prince and **MY REQUEST**, a son of Upright. These are out of our top sow herd. You can find plenty of boars with quality, heavy hams and wide loins and some of the best gilts that will sell this fall. Write for free catalog. Kindly mention this paper. Address

McELROY BROS., AFTON, IOWA

Auctioneers, Taylor & Martin

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Fall and spring boars, immune and eligible to register. Sired by the 4 top sons of $1,000 NEWS FLASH by BELLRINGER out of COMPREST, GOLDDUST and FAULTLESS DAMS. Top selling barrow at Kossuth County Fair is of FAULTLESS breeding and was purchased jointly by us and Harold Fischer. Over 200 boars sold by us last season. If it's the meat-type rugged Hamps you are looking for, see us.

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RUPERT bred bulls. Serviceable age, nice dark rugged bulls.

JOSEPH A. SKOW

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75 Duroc Boars

FOR SALE—Purebred Duroc boars—leading blood lines—Producers' type. Sold with a guarantee offered by no other producer of boars to our knowledge. Priced reasonable.

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DON RINNER

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GAROLD PARKS

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J. C. HOLBERT

Box 492 Washington, Iowa

ANNUAL
DUROC SALE

1:00 P. M. at farm, 1 mile east and 2 miles north of

RENWICK, IOWA, OCT. 20th

Selling 35 boars and 25 gilts from a herd that is consistent in producing top Durocs. Our herd won 7 first placings and 5 seconds at recent Spencer Fair. Selling the 1st prize Sr. Spring Boar Pig and the Jr. Champion Spring Gilt along with several other winners. Farmers and breeders will like the ruggedness and good color. The large number selling gives you a wide selection at bargain prices. Be sure and inspect this good offering. **FREE** catalogs on request. Kindly mention this paper.

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Use KIDMAN'S MINERALIZED YEAST for culturing, or feed it dry with your own grains because it aids digestion, provides needed minerals and vitamins B and D—all essential for the fast economical gains and the sound thrifty stock which mean more profit for you.

SALES REPRESENTATIVES WANTED
Call or Write

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An Invitation to Attend Our Sale

Locatis Hampshires

at farm, 3 mi. east, 1 mi. south, 1¼ mi. east of

FORT DODGE, IOWA

OCTOBER 31st

Night Sale—7:30 P. M.

This Will Be the Time and Place to Buy Your Herd Boar

80 HEAD — 48 BOARS AND 32 GILTS

The qualities you want most in your Hampshires will be found in this sale offering and most of the good boars and gilts are sired by **SAFE BET** by Miracle, plus good litters by our $1,000 boar, **NEWS FLASH**. We will have new blood for old customers as we bought several sows last winter and will have litters by **THUNDER MODEL**, **SUPERIOR BOUND**, **DYNAMIC NEWS**, **LUMBERJACK** and **CHECKMASTER**. All of our better gilts as well as the boars sell in this sale. Nothing is reserved. You can take your pick of our very best. This offering shows that natural thickness, strong bone, compactness, short, wide heads and good belts. We promise you the greatest offering we have ever sold. Send buying orders to M. T. White in our care. We guarantee his selections to please. Write at once for free catalog. Kindly mention paper. Address

MATT LOCATIS & SONS, FORT DODGE, IOWA

Auctioneer, John Hall M. T. White, Fieldman

Hosea Wilson's Sensational

HAMPSHIRE SALE

Lenox, Iowa, (Night Sale)

Saturday, Oct. 29th

Selling 30 Very Choice Boars and 25 Outstanding Gilts

This is, I think, the greatest offering that I have ever sold in any of my public sales. This offering is mostly sired by **CORNERSTONE**, by Knabe's Special, reserve grand champion boar at the Nebraska State Fair this year. Also selling some good litters by Master's Model, Illinois and Iowa grand champion (the Model Farm boars), two litters by Mischief Model, the grand champion boar at Nebraska in 1948 and 1949. I am also selling the 1st prize junior gilt at Missouri State Fair this year. Just take it from me I am selling one of the most sensational offerngs of the year. Write me at once for catalog and please mention Wallaces' Farmer and Iowa Homestead. Address

HOSEA WILSON, LENOX, IOWA

M. T. White represents the Wallaces' Farmer and Iowa Homestead at my sale.

Auctioneer, Gus Shaw

Quality Spotted Polands

Sale at farm, 5 miles north of

WEST LIBERTY, IOWA, NOV. 9th

60 Head — 40 Good Boars, 20 Choice Gilts

A grand offering selected with care from a large number, sired by **BANNER**, **WIDE BACK CHIEF**, **BRIGHT LAD**, **SPECIAL DELUXE**, **MEMORIES PRIDE** and **GOLD PLUS**. Best in breeding. Plenty of new blood for any customer. Two great litters by the 1949 Missouri Junior Champion, **SPECIAL DELUXE**. A fine litter by **MEMORIES PRIDE**. Type and quality that will please. **COME**. Ask now for **FREE** catalog. Kindly mention this publication. Address

ARTHUR BAILEY & SONS, WEST LIBERTY, IOWA

ANNUAL DUROC SALE

Held in pavilion at the farm, 2 miles west and one mile north of

LEHIGH, IOWA, TUESDAY, NOVEMBER 1st—1:00 P. M.

50 HEAD — 40 CHOICE BOARS, 10 TOP GILTS

A grand offering of boars and gilts, including two fall boars that are tops. Offering is sired by some of most outstanding boars in breed, including **HEADLINER LAD**, by Quality King and No. 1 boar in Simpson Bros. 1948 fall sale; **COMPACT CRUSADER**, 1st Sr. pig at Mo. in 1947; **MODERNIZER**, top selling boar of Mo. in 1948, and **BETTER YET**, top son of Kant-Be-Better. The offering is very well grown, are all a uniform dark red color and have plenty of length and depth. All have exceptionally good underlines and sound underpinning. The gilts will look good in anyone's sow herd next winter. Quality and conformation will please the most critical buyer. Plan to attend, or send mail bids to fieldmen in our care. Write for free catalog. Kindly mention this publication.

NELS LINDHART & SONS, LEHIGH, IOWA

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WILLS-VUST

CHESTER WHITE SALE

AT FAIRGROUNDS, 7:30 P. M.

SIBLEY, IOWA
OCTOBER 21st

40 Boars — 30 Gilts

If it is size and quality you are looking for you will find them in this sale. Combining only the tops from the two strong herds to make an outstanding offering. Six blood lines represented. Many of the prize winners from our winnings at Spencer, Sibley, Rock Rapids and Sioux Falls, South Dakota, will sell in this choice offering. The 2nd, 3rd, and 4th prize boars at the big Spencer show sell. The sires of the offering include such good boars as **PROGRESSOR**, **ASCENDER'S CHAMP**, **BROADVIEW ACE**, and others. Make your plans now to attend. Kindly mention this paper when writing for **FREE** catalog.

CLIFFORD WILLS Sibley, Iowa — **MARTIN L. VUST** Ellsworth, Minn.

SPOTTED POLANDS

NIGHT SALE AT SALES BARN

ALGONA, IOWA
8:00 P. M.
OCTOBER 19th

65 BOARS 25 GILTS

We have been coming to Algona for several years with top boars and this offering is the best of all. They are well grown, have the length and depth of body that puts them on the market sooner. Mostly sired by **MODERATOR**, top boar of the Carlson sale last fall. Selling one litter that are full brothers to the top two boars last fall sired by **BROAD BACK**. Remember this is the best grown offering I have ever sold and beyond a doubt the best individually. Plenty of new blood lines for old customers. Kindly mention this paper when asking for **FREE** catalog.

WALTER M. WELLHOEFFER

Rt. 3 Stratford, Wisconsin

SPOTTED POLAND SALE

At farm, 4 miles north, 3 miles east of West Liberty

SATURDAY, OCTOBER 29th

Sixty-five head—**40** boars, **25** open gilts by **FLASHY BOY**, Reserve Junior Champion at Iowa, and **MAJOR**, a top son of Lost Boy litter mate to the great Masestic. The big, rugged kind, with bone, plenty of length and great hams. **COME**. Ask for **FREE** catalog. Kindly mention this publication.

DUANE DOTSON

ATALISSA - - - - - IOWA

SPOTTED POLANDS

At Sale Barn

WOODBINE, IOWA, OCT. 28th

45 top spring boars, 25 choice spring gilts sired by **CONQUEST**, **STAR KING**, **THRIFTMASTER** and **VITA KING**. New blood for old customers. You will like the quality. Come. Send for free catalog. Kindly mention this publication.

OTTO C. MEYER

WOODBINE - - - - IOWA

Your Local
— IMPLEMENT DEALER —
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Coming Livestock Sales

ABERDEEN ANGUS

Oct. 17—Dispersion Sale. Alfred Hutchinson, Denison, Iowa.
Oct. 21—H. V. Hulegard (Dispersion), Rochelle, Ill.
Oct. 29—Central Illinois Angus Calf sale, Congerville, Ill.; Simon E. Lantz, Secy.
Nov. 7—Dispersion. C. C. Pickrell & Sons, Chariton, Iowa.
Nov. 14—Archer, Catterson and Evans; sale at Maryville, Mo.; Leo Archer, Mgr., Conception Junction, Mo.
Nov. 26—Dan and Earl Schobert, Papillon, Neb.; sale at Sioux City, Iowa.

HEREFORDS

Oct. 15—Dispersion. A. M. & D. M. McDonald, Delhi, Iowa.
Oct. 22—Marion County Hereford Breeders Assn.; Walter L. Brown, Mgr., Knoxville, Iowa.
Oct. 28—Northeast Missouri Association, Memphis, Mo.; Geo. E. Leslie, Jr., Secy.
Oct. 29—Wisconsin Hereford Breeders, Madison, Wis.; Homer Graber, Mgr., Mineral Point, Wis.
Nov. 12—John Block & Sons, Worthington, Minn.
Nov. 14—Breeders Sale, Marshalltown, Iowa.

POLLED HEREFORDS

Oct. 26—Hervale Farms, Leland W. Herman, Wayne, Neb.

SHORTHORNS

Oct. 19—American Royal Sale, Kansas City, Mo.
Oct. 25—Eastern Iowa Breeders, Cedar Rapids, Iowa; Albert J. Hamann, Mgr., Rock Rapids, Ia.
Oct. 26—Carl Retzlaff, Walton, Neb.; Merv Aegerter, Sale Mgr., Seward, Neb.
Nov. 12—Central States Sale, Oskaloosa, Iowa; C. E. Stewart, Mgr., Rose Hill, Iowa.
Dec. 2—W. P. Lorenzen, Pilot Mound, Iowa; sale at Ogden, Iowa; Merv. Aegerter, Sale Mgr., Seward, Neb.

POLLED SHORTHORNS

Oct. 24—Missouri State Sale, Sedalia, Mo.; Rollo Singleton, Secy., Jefferson City, Mo.
Oct. 25—Upper Mid-West Polled Hereford Assn., Sioux Falls, S. D.; G. J. Kunau, Secy., Red Wing, Minn.
Nov. 23—Smith & Talbott (Dispersion), Lock Springs, Mo.; sale at Chillicothe, Mo.; Merv. Aegerter, Mgr., Seward, Neb.
Dec. 5-6—Iowa Polled Hereford Assn. Show and Sale, Des Moines, Iowa; Leigh R. Curran, Secy., Mason City, Iowa.

MILKING SHORTHORNS

Oct. 15—Dispersion. Roy L. Waterhouse, Stanley, Iowa; sale at Mason City, Iowa; Roy A. Cook, Sale Mgr., Independence, Iowa.
Oct. 19—Minnesota State Sale, Mankato, Minn.; R. E. Hodgson, Secy., Waseca, Minn.
Oct. 20—Sheldon, Iowa. W. E. Kruckeberg Dispersion, Chariton, Iowa, and Consignment Sale; Walter Kruse, Sale Mgr., Sheldon, Iowa.

DAIRY CATTLE

Oct. 17—Iowa Holstein State Sale, Waterloo, Iowa; Dallas V. McGinnis, Secy., 912 Waterloo Bldg.
Oct. 19—Guernsey Dissolution Sale, Read & Purvis, Oskaloosa, Iowa.
Oct. 20—Southeast Iowa Ayrshire Club, Wellman, Iowa; Lyle E. Yoder, Mgr., Kalona, Iowa.
Oct. 21—Alfred Paper (Holstein Dispersion), [illegible], Iowa; sale at Davenport, Iowa; A. W. Petersen, Sale Mgr., Oconomowoc, Wis.
Oct. 28—Merry Acres Jersey Dispersion. O. T. Wilson, Mt. Pleasant, Iowa; Ivan N. Gates, Sale Mgr., West Liberty, Iowa.
Oct. 29—North Iowa Guernsey Sale, Mason City, Iowa; Paula M. Sproule, Secy., Mason City, Iowa.
Oct. 31-Nov. 1—Maytag Farms, Newton, Iowa; Dispersion Sale at Des Moines, Iowa; A. W. Petersen, Sale Mgr., Oconomowoc, Wis.
Nov. 3—City View Farm (Ayrshire Dispersion), Fest Bros., Waterloo, Iowa.

BERKSHIRES

Oct. 17—Milo Wolrab, Mt. Vernon, Iowa.
Oct. 22—Illinois Berkshire Assn., Aledo, Ill.
Nov. 8—Iowa Berkshire Breeders, Spencer, Iowa; Alex Conover, Sale Mgr., Holstein, Iowa.

CHESTER WHITES

Oct. 15—Night Sale. Ross O. Willey & Son, Osage, Iowa.
Oct. 18—Night Sale at Waverly, Iowa. A. H. Petersen, Waterloo, Iowa.
Oct. 18—Walter Schminke & Son, Van Horne, Iowa.
Oct. 21—C. T. Keen & Sons, Legrand, Iowa.
Oct. 21—Night Sale. Wills & Vust, Sibley, Iowa.
Oct. 26—Wayne Stoutenburg, Akron, Iowa.

DUROC JERSEYS

Oct. 18—Night Sale. Iowa Falls Duroc Assn., Iowa Falls, Iowa; Duane L. Blake, Mgr.
Oct. 19—Bert Miller, Lisbon, Iowa.
Oct. 20—W. H. Helmke & Sons, Renwick, Iowa.
Oct. 22—Airy Bros., Derby, Iowa.
Oct. 24—Linden Bros., Grinnell, Iowa.
Oct. 25—Neil Rasmus, Mt. Union, Iowa.
Oct. 31—White Cap Farms, Sac City, Iowa; Verl Shoemaker, Mgr., Box 801, Storm Lake, Iowa.
Nov. 1—Nels Lindhart & Sons, Lehigh, Iowa.
Nov. 8—Juhl Bros., Luverne, Minn.

HAMPSHIRES

Oct. 18—Night Sale. George Lorenz, Wells, Minn.
Oct. 19—Fred Michaelson, Ida Grove, Iowa.
Oct. 28—Night Sale. Maurice Weitz, Webster City, Iowa.
Oct. 29—Night Sale. Cecil Wilson, Lennox, Iowa.
Oct. 31—Night Sale. Matt Locatis & Sons, Fort Dodge, Iowa.
Nov. 4—Night Sale. Lars K. Mahl, Fonda, Iowa.

POLAND CHINAS

Oct. 18—Night Sale. J. H. Aultfather & Son, Austin, Minn.
Oct. 24—Night Sale. Louis H. Reilly, Lone Rock, Iowa; sale at Algona, Iowa.
Oct. 26—Night Sale. F. L. McKay, Ida Grove, Iowa.
Oct. 29—L. R. McClarnon, Braddyville, Iowa.

SPOTTED POLAND CHINAS

Oct. 17—Night Sale. Leland R. Dellinger, Shell Rock, Iowa; sale at Waverly, Iowa.
Oct. 18—Ben C. & Maurice Fitzer, Luverne, Minn.
Oct. 18—Night Sale. Fred Goodchild & Sons, Mallard, Iowa.
Oct. 18—Night Sale. Harvey C. Larsen, Elk Horn, Iowa; sale at Harlan, Iowa.
Oct. 19—Night Sale. Fitzgerald Bros., Boone, Ia.
Oct. 19—Night Sale at Algona, Iowa. Walter M. McGhoffer, Stratford, Wis.
Oct. 19—Arnold Krahmer, Fairmont, Minn.
Oct. 21—Night Sale. Clifford Pitstick, Jolley, Iowa; sale at Sac City, Iowa.
Oct. 24—Night Sale at Sibley, Iowa. Kenneth R. Dingel, [illegible], Iowa.
Oct. 25—Night Sale. Norris Voge, Walnut, Iowa; sale at Harlan, Iowa.
Oct. 26—McElroy Bros., Afton, Iowa.
Oct. 26—Night Sale. Alvin Sunderman & Sons, Clarinda, Iowa.
Oct. 28—Night Sale. Spies & Lein, Graettinger, Iowa.
Oct. 28—Otto C. Meyer, Woodbine, Iowa.
Oct. 29—Duane Dotson, Atalissa, Iowa.
Nov. 5—Night Sale. Greenlee & Wall, Guthrie Center, Iowa.
Nov. 9—Arthur Bailey & Sons, West Liberty, Iowa.
Nov. 10—Night Sale. R. A. Faber & Sons, Moravia, Iowa.

BELGIAN HORSES

Oct. 17—Alfred Hutchinson, Denison, Iowa.

SHEEP

Oct. 26—Dakota-Minnesota Breeders Assn. (Columbias), Watertown, S. D.; E. M. Gregory, Mgr., 701 Black Bldg., Fargo, N. D.
Nov. 3—North American Suffolk Breeders, Oskaloosa, Iowa.
Nov. 3—International Hampshire Breeders, Oska-

LIVESTOCK FIELDMEN

M. T. WHITE, 604 No. Fortieth St., Omaha, Nebraska. Phone Walnut 1056.
J. E. HALSEY, 1912 Grand Ave., Des Moines.
M. W. BONEY, Box 740, Storm Lake, Iowa; Phone 970-R.

We publish the FIRST and THIRD Saturday of every month. Copy for livestock advertising must reach our office FIFTEEN days before date of issue.

Around the Farm AND IN THE Feed Lot

by E. A. KELLOWAY

IOWA Farmers are continuing their hold on top place in the nation's farm income. During the first seven months of this year, marketings from Iowa farms brought in a billion and one hundred sixty-nine million dollars. At that rate, the year's total will again add up to a fine sum, with livestock producers making the major contribution as usual. California was second, with Illinois third, followed by Texas, Minnesota, Wisconsin, Nebraska and Missouri.

SPEAKING about marketings, may we suggest again that farm returns could be even higher if farmers were a little bit more careful and humane. Officials at the livestock yards tell us that the nation's eight hundred thousand livestock feeders lose some twenty-five million dollars a year through abuse of fat animals at loading time. We suggest, instead of striking hogs or cattle with clubs or canes, a bit more patience be used. Canvas slappers and electric prods are also more humane and more effective than clubs.

THE INGREDIENTS that go into a product usually make the value of the merchandise. The popularity of Walnut Grove Minerals is to a large measure due to the high-quality ingredients that go into its make-up. In Bremer county, Iowa, among our many customers who believe in this quality and use Walnut Grove in all their feeding plans, are Everett and Harry Krause, brothers on two farms, John and Emil Thies, John Huffman, Albert Hahn and Emil Leistekow. These men are serviced by our long-time representative in that territory, Ernest Meyer, of Readlyn, Iowa.

THE SOYBEAN HARVEST is pretty well along, and it looks as if the outlook for bean growers may be a little brighter this fall. Foreign buyers have already been pretty active in purchases for future delivery, and domestic processors are showing quite a big increase in crushing capacity, which ought to mean larger purchases of 1949 beans. Moreover, latest Department of Agriculture reports place this year's soybean crop estimates at about 16,000,000 bushels below 1948.

EMPHASIS ON PREVENTION of fires, as seen during this past week, might well be underscored again. More care about the location of gasoline and kerosene drums and more common sense about smoking around fuel oils, power machinery, hay mows and the like, can help avert tragedy and save many thousands of farm dollars annually. The same can be said of proper protection against lightning by the use of lightning rods, and keeping chimneys and flues in good repair helps a lot, too.

THE WALNUT GROVE COMPANY makes minerals for cattle, hogs, sheep and poultry. These minerals are made to fit into any regular feeding plan. They are palatable and help to balance home-grown feeds. Among our many customers in Keokuk county, Iowa, who feed Walnut Grove in all their rations, are M. F. Adams, Gail Brinning, Clarence Keifer, Clarence Weber, Nick Sieren, John Flander and Richard Clarahan. "Cy" Besser, Harper, Iowa, looks after this business for us.

THOSE TWO RECENT international bombshells — devaluation of the British pound and announcement of Russia's atomic bomb—have accounted for much concern and speculation all over the world. We don't know about Russia's progress with the atom, but we know some western dairymen who learned the hard way about sterling devaluation. On the very day it took place, the group took possession of a shipment of European cattle valued at $100,000. Had they waited just one more day, they could have had the lot for about a third less.

A DESERVING TRIBUTE came to a great national farm leader this month when a portrait of H. H. Kildee, Dean Emeritus at Iowa State College, was hung in the dairy shrine at Waterloo. The shrine is supported by dairymen all over the nation, and will be commemorated by awarding scholarships to deserving agricultural students and hanging up portraits of national farm leaders. Dean Kildee's is the first to grace the new dairy shrine.

A NEW cooperative project launched by the Winfield, Iowa, Future Farmers chapter sounds like a very worth-while undertaking, and one that will pay off in fun as well as in experience. The boys are going into the hog feeding business in hopes that they can make enough money to attend some of the big livestock shows this season. They have borrowed a hog house, self-feeder and other equipment, and, with good management, proper feeding and hard work, we're sure their project will prove profitable.

IT'S TIME to get ready for winter feeding. Sheds and buildings that livestock will occupy this winter should be cared for and proper ventilation installed. In the way of feeds, Walnut Grove may play an important part in keeping livestock thrifty. Customers in Lyon county, Iowa, among many others who use Walnut Grove in their feeding, are Albert Kahl, Hans Northdurft, H. M. Lape, Vernon Steigelmeyer, Isaac Boom, Tunis Middendorp, Walter Jansma and H. F. Schlumboehm. Our representative in this territory is H. F. Hanson, of Inwood.

IN PROGRESS in Iowa is a series of interesting schools known as "Operation Fox and Coyote." Under direction of state conservation officials and in cooperation with county extension directors and the State Sheep Association, the schools are designed to teach farmers how to trap hundreds of foxes and coyotes responsible for huge losses to Iowa sheep men. Lew McIntosh, professional trapper with the U. S. Wildlife Service, has been telling farmers fox and coyote trapping is not difficult if you go about it right.

OLD-TIME COWBOYS of the west are turning to each other now and saying, "I told you so." This is the logical reaction to what happened to a hard-riding ranch foreman injured recently while herding cattle—when his helicopter crashed. Tony Hazelwood, who has rounded up many a stray with his good old cow pony, went modern a few weeks ago and tried to haze cattle out of heavy brush with a helicopter. Luckily, the crash WAS NOT serious, but Tony said afterward, "From now on out, I'll stick to my horse."

Livestock News

J. W. Barkley's Angus dispersion sale at Unionville, Mo., September 15, attracted buyers from Iowa, Illinois, Indiana and Missouri. Auctioneer Roy Johnston sent 50 lots thru the ring to an average of $368.

Top price in bulls was the $900 paid for the herd sire, Burgess Prince M 21st. The four-year-old went to W. S. Wiseman and Don Pollock, Unionville.

George Halder, Ottoman, Ind., paid the female top of $675. Nine bulls averaged $327 and 41 females averaged $377.

The Sioux Empire Polled Shorthorn show and sale, under the management of John White, drew a big crowd to Sioux Falls, S. D., October 4. Auctioneer J. E. Halsey sold the 52 lots in the sale for a general average of $337.

Champion bull, also named supreme champion of the show, was April 1948, a son of King of the Vanities 6th. The champion, from the herd of R. O. Rue & Sons, Lakefield, Minn., sold to M. H. Bassett, Rushmore, Minn., for $925. Reserve champion, shown by Melvin C. Ferguson & Son, Laurens, Iowa, sold for $980 to William O. Doerr, Creighton, Neb.

A. Lopau & Sons, Pipestone, Minn., consigned the champion female, a solid red heifer, that sold to T. W. Isfeld, Taunton, Minn., for $400.

The cattle went to buyers from Iowa, Minnesota, South Dakota and Nebraska. Average for 28 bulls was $385. The 28 females, most of which were young open heifers, averaged $280.

A bull top of $705 was paid for the champion bull at the annual Iowa Hereford Cattle Breeders Association show and sale, at Sioux City, October 5. The year-old son of Double True Mold, consigned by S. O. Knudson, Sioux Rapids, Iowa, sold to John Fitzgerald, of Dell Rapids, S. D.

Reserve champion bull, from the herd of Allen Lundgren, LeMars, Iowa, went to Jim Dytryck, Clarkson, Neb., for $450. The 43 bulls averaged $343.

The champion female, a daughter of Golden Aster, brought $1,000 to her owners, E. O. Johnson & Son, Milford, Iowa. Buyer was Meredith Farms, Des Moines.

For the 26th year, the show and sale was managed by F. W. Ketelsen, Everly, Iowa. Charles Corkle served as the auctioneer. Bulk of the offering went to Iowa buyers, with a number of bulls going to Nebraska and South Dakota.

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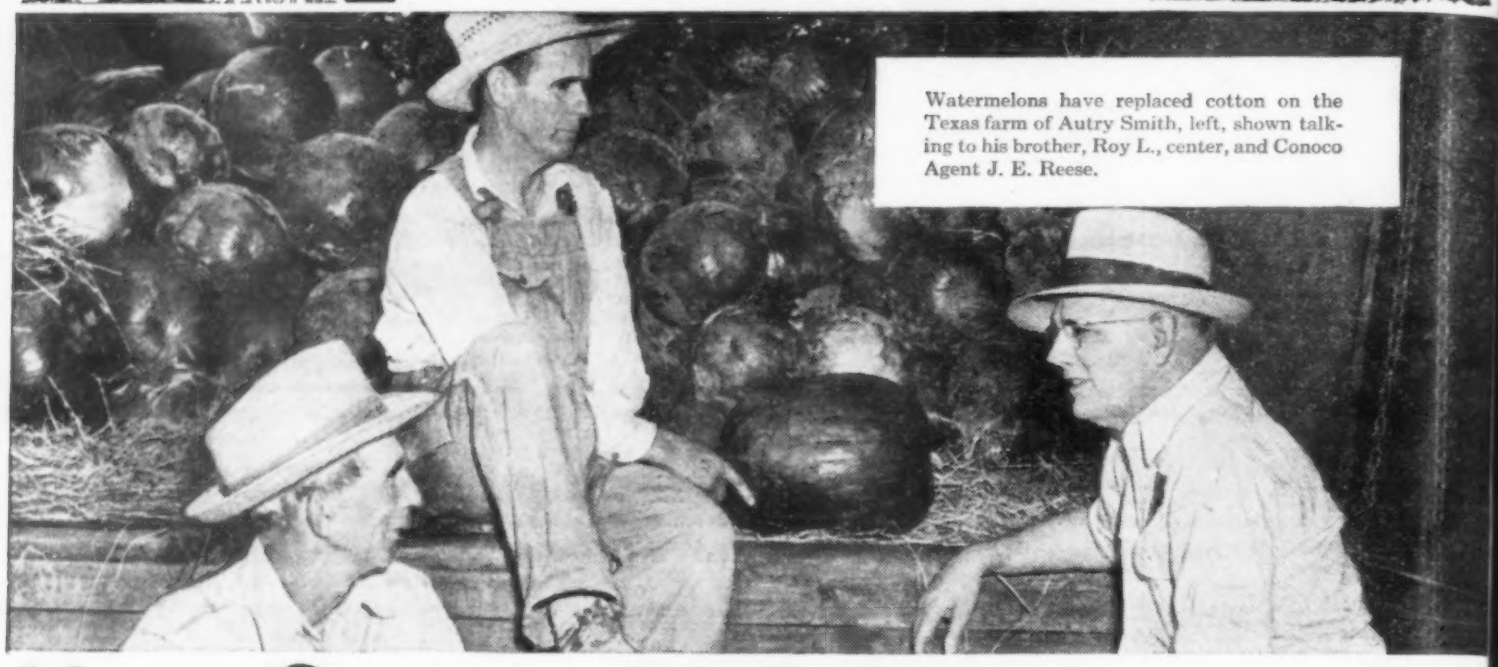
The Tank Truck



Watermelons have replaced cotton on the Texas farm of Autry Smith, left, shown talking to his brother, Roy L., center, and Conoco Agent J. E. Reese.

Many Crops - ONE Oil

It used to be "one crop country" along El Camino Real in Central Texas. In the fields along that historic highway where DeSoto and LaSalle once wintered, cotton dominated the landscape.

But just as the rumble of stagecoaches and the hoofbeats of the Texas Rangers have given way to modern motors, so farming has changed.

Today, up-to-date farmers like Autry Smith, Nacgodoches, have turned from cotton to diversified and more profitable crops. Now, the country has been taken over by the watermelon—and by dairy cattle and the peas, hay and other feeds necessary for raising them.

But though Mr. Smith varies his crops—he sticks to ONE motor oil. "I've been using Conoco Products since early 1942," he says. "Especially fine is your Conoco N^{th} Motor Oil. I've found I have less carbon knock and my tractor is more easily started with Conoco N^{th}. N^{th} stays cleaner between drains than any oil I have used. N^{th} oil has reduced my motor repair bills 20 per cent. During 5 years' operation of my tractor on N^{th} oil, my total repair bill has been less than $50."

There are a lot of good things about Conoco N^{th} Motor Oil, but probably the one thing that has done the most to keep Mr. Smith's repair bill so low is its OIL-PLATING feature. OIL-PLATING is the *extra* film of lubricant that fastens right to the metal working parts of cars and tractors. OIL-PLATING is an *extra* shield, protecting your farm engines against damage in spite of the hard work you give your cars and tractors.

So, whether you raise one crop or a dozen, better depend on *one* oil—Conoco N^{th}—to keep down those repair bills.

Caramel Raisin Pudding

Sent by Mrs. L. J. McCrumb, Midvale, Idaho

- ⅜ cup butter (or other shortening)
- ½ cup sugar
- ½ cup milk
- ½ cup raisins
- 1½ cups flour
- 1 rounded t. baking powder
- ¼ t. salt

Mix all together and put into greased pan or baking dish.

Sauce

- 1 cup brown sugar
- 2 cups cold water

Stir and pour over the above dough, adding small bits of butter. Bake ½ hour in moderate oven.

Send your favorite recipes to Mrs. Annie Lee Wheeler, Conoco Cafeteria, Ponca City, Oklahoma. A $7.50 pair of Wiss Pinking Shears awarded for every recipe published with your name. All recipes become property of Continental Oil Company.

FARM KITCHEN

"Nth Consumption Low"

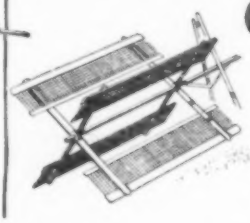
When they play "Dixie" up in Utah, Archie Tobler can stand up and cheer right along with the rest of 'em. For Mr. Tobler lives in another "Dixie"—the one down in Southwestern Utah, where the temperatures are almost as tropical as in the "deep south." On his 200-acre farm near Washington, Utah, Mr. Tobler raises sugar beet seed, barley, alfalfa and truck crops. And he's a Conoco user straight across the board—Conoco N-Tane Gasoline, Conoco Diesel Fuel, Conoco N^{th} Motor Oil, Conoco HD Oil, Conoco Transmission Oil and Conoco Pressure Lubricant, Robalube and Racelube greases. "Since I started farming, have used Conoco Products 100 per cent," he says. "Trucked for a good many years and used practically all kinds of oil, but found Conoco N^{th} to be the best of any oils used. Find that N^{th} does an excellent job of lubrication, which I feel is due to your OIL-PLATING. Also, oil consumption on all motored equipment is exceptionally low."

Conoco Nth Does Everything

Here's a farmer who even uses Conoco N^{th} Motor Oil in his washing machine! Wayne Noblitt, Denton, Montana, likes Conoco N^{th} so well he depends on it to keep *all* his machinery going. Mr. Noblitt raises wheat, barley and oats on his 320-acre ranch and feeds 600 sheep and 40 head of cattle. His equipment includes 2 tractors, a combine, a thresher, 2 plows, 3 cultivators, 2 drills, 2 trucks and the smaller equipment needed for large-scale grain farming. To run all this expensive machinery, he will trust only Conoco Products, and is very enthusiastic about Conoco N^{th} Motor Oil. "I was sold on Conoco N^{th}," he says, "when I saw what little wear and how clean the inside of our first tractor motor was after it had worked through 3 full seasons. Since then, Conoco N^{th} has been used in all our engines, from the washing machine up to the Caterpillar D-6."

Helps Adjust Harrow

A grab hook fastened to a draw bar clamped to the plow makes it much easier to adjust the chain for harrowing, especially on side hills or contours, suggests H. J. Dedic, R. 2, Pleasant Dale, Nebr.



Grain Saver

Attach very fine hardware screen to the crossarms of your combine reels to get more grain when combining maize, recommends Carl H. Dieck, Whitewater, Kans.

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